Product Guide



Since 1959 Public Address System

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National Award Winner

Recognised Export House of India



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National Award Winner



Shri D.N. Gupta, Managing Director Receiving Prestigious NATIONAL AWARD for Outstanding Export Performance by Honb. Shri N. Sanjiva Reddy, President of India.



Shri D.N. Gupta, Managing Director Receiving Prestigious NATIONAL AWARD for Outstanding Export Performance By Honb. Shri B.D. Jatti, President of India



Shri. Upendra Gupta receiving NATIONAL AWARD for the year 2008 from Honb.

Minister Shri. Dinsha Patel at New Delhi.



Shri Upendra Gupta Receiving NATIONAL AWARD from Honb. Shri Veer Bhadr Singh, Minister MSME For The Year 2010-11 at New Delhi



Shri Upendra Gupta Receiving National Award (Innovation) from Honb. Dr. Manmohan Singh (P.M.), For The Year 2012-13 at New Delhi



Shri Ashit Gupta Receiving National Award (Entrepreneur) from Honb. Shri K.H. Muniyappa MSME Minister, For The Year 2012-13 at New Delhi



Mr. Aman Gupta Receiving National Award (Lean Manufacturing) from Honb. Dr. Manmohan Singh (P.M.), For The Year 2012-13 at New Delh



Award for outstanding Entrepreneurship under PM Modi, "Make in India" Concept... Presented by Shri Suresh Prabhu, Hon'ble Union Minister for Railways.



Shri Aman Gupta receiving Award (Upcoming Make in India Company) From Dr. Harsh Vardhan Union Minister of science, technology and earth Science for the year 2016-2017.

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For any enquiry mail us at mega@megaindia.net

Shri Upendra Gupta ji

Managing Director Mega Public Address System Mega PA system has been one of the leaders since 1959. Our State of the art production houses, Stringent Quality Tests, Timely deliveries, reasonable pricing structure and efficient after sales service contribute to our more than million of satisfied customers around the globe.

Shri Ashit Gupta Ji

Director

Mega Public Address System

Mega won Seven National Awards for outstanding Export performance, Lean Manufacturing , Innovations And Entrepreneurship.

We cater to all types of requirements from small and medium gathering to large gatherings. Our equipments are used by reputed brand showrooms, factories, hotels and restaurants, educational institutions, research institutes, railways, police, religious places like temples, mosques, gurudwaras, churches, yoga classes, classroom lectures, auditoriums, sarvshikshaabhiyans in different states of India.

Shri Ashwani Gupta ji

Director

Mega Public Address System

Mega is having certifications for ISO-9001:2015 (Quality control) as well as ISO-14001:2015 (Green Certification) our products and working do not harm the environment of our mother earth.

In amplifiers we have the manufacturing capacity from 30 watts to 1500 watts, Amplifiers with In-Built Mp3 Player, Portable sound systems which are widely accepted in India and abroad.

In microphones we manufacture highly sensitive microphone for professional use , PA microphones for everyday use and economy microphones for amateurs. Our Range of Microphone includes Hand Held Microphones, Tie Clip Microphones, Podium Microphones and Head Microphones. In speakers we present a large variety metallic column speakers, wall speakers, wooden high wattage speakers, ceiling speakers.

Shri Aman Gupta ji

Director

Mega Public Address System

By doing Consistent import substitution, Mega is on the path of Make In India Concept, Launched By Shri Narendra Modi (Prime Minister Of India).

Mega is been recognized by Shri Harshwardhan(Union Minister Of Science and technology) For the best upcoming Make In India company of India in the year 2016-17 and By Shri Suresh Prabhu (Union minister for Railways) for Best entrepreneurship efforts in Make In India In the Year 2017-18.

Now we are on the path of introducing ZED (Zero Effect And Zero Defect)







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P.A. Amplifiers

- MIA Series Amplifiers
- P.A. Booster DJ Amplifiers
- DJ Amplifiers
- P.A. Twin Zone Power Amplifiers

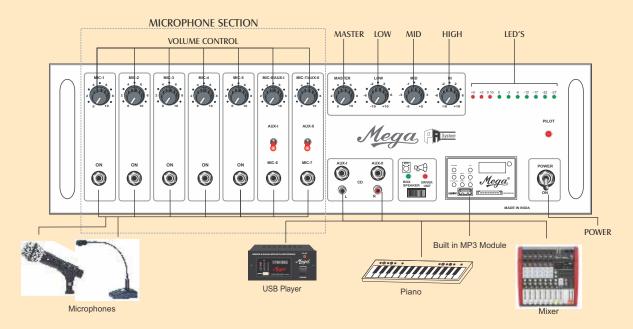
- P.A. High Power Mixer Amplifiers
- P.A. Medium Power Mixer Amplifiers
- P.A. Low Power Mixer Amplifiers
- P.A. Mixer / P.A. Mobile Amplifier Cum Siren



AMPLIFIER'S CONFIGURATION

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Amplifier Front Panel Controls and Functions: •



Microphone Section : -

- This section consists of number of microphones which can work simultaneously or separately.
- Separate volume control are provided for each microphone to adjust the volume as per the requirement.
- Separate input jacks are provided for each microphone to accept unbalanced signal from a low impedance microphone.
- Built in MP3 Player with remote control for USB, SD / MMC card reader.
- MP3 Module has in built FM Player & Bluetooth Facility.
- AUX is alternate to last microphone with the selector switch to OPT between the two.

AUX: It is used to connect the mixer, CD player or the other pre amplifier. It's input sensitivity is 100 mV.

CD Socket: It is used to connect an external CD player.

Master: It is used to adjust the volume of all the inputs at the same time. It mainly controls the overall

Noise level output of the amplifier.

Low: The low control is used for attenuating or boosting the signal level of low frequencies. It has a

cut position and boost position to set the level of tones according to the requirement.

Bass / Mid.: The bass control is used for attenuating or boosting the signal level of low frequencies. It has a

cut position and boost position to set the level of tones according to the requirement.

Treble / High: It is used for attenuating or boosting the signal level of high frequencies. The normal quality is at

zero position and it can be increased or decreased according to the requirement.

LED Arrays: It is used to indicate the level of sound. The LED indicators includes three green and two red

LEDs.

USB / SD Card Player / Recorder: For Connecting USB Flash Drive or SD Card to Play any MP3 Format. The

same can be used for recording any live event by pressing the mode button to "Line" Mode and then pressing the "Rec" button. After finishing press the "Rec" button to save the audio file in USB / SD Card. Audio file is played once after the recording.















AMPLIFIER'S CONFIGURATION



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Selector Switch: It is used to select the output hardware between box speaker and driver unit. Bass boost defeated

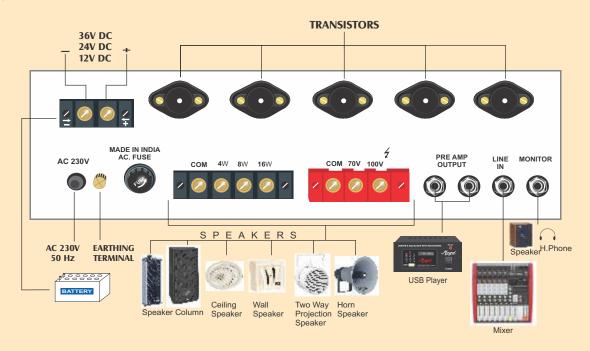
at driver unit position for safer operations of driver unit.

Power: Power switch is used to enable power supply to reach the amplifier. Power requirement for

amplifiers: AC 220-240V 50/60Hz or DC 12V / 24V / 36V (car battery).

Pilot: The LED glows when the amplifier is switched ON.

Amplifier Rear Panel Controls and Functions: •



Preamp Output: This socket is used to connect the amplifier with the other amplifier or preamp recorder. The

output signal of preamp output is 200 mV. The output from preamp is recommended to connect

with the AUX of other amplifier.

AC Mains Fuse: This protects the amplifier from any excessive current flow.

Line Out: This socket is also used to connect the amplifier with other amplifier. To obtain higher output the

output signal of line out is 1V. The output from line out is recommended to connect with the line in of the other amplifier. Connection from line out to line in makes the bass and treble uneffective.

Line In: It is used to connect the mixer for enhancing the number of inputs or the other pre amplifier. It's

input sensitivity is 1V.

Speaker Terminal 1. (4,8 & 16 ohms) for connecting low impedance speakers.

Block: 2. (70V & 100V line) for connecting speakers with 100V line matching transformer.

Monitor: This socket is used to monitor the output of amplifier. Headphone or a small speaker can be

used as a monitoring device.

Earthing Terminal: This terminal is used to connect the amplifier with the earth point.

Battery Terminals: For connecting car batteries as standby power source.



MINIMUM - 10000000000

MIA SERIES AMPLIFIERS

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MIA - 350U

350W AC / DC 36V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM



- Uses Toshiba 5200 Transistors
- Multiple inputs for 5 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
 Preamplifier And Line Out for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4 & 8 Ohms and 70V, 100V line.
- Provided with fans to keep the amplifier cool enabling trouble free operations under extreme climate conditions.
- Line Input for connecting the output from any external mixer.
- With Monitor Facility.

MIA - 250U

250W AC / DC 24V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM





- USB =





MP3



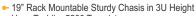
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Mike One

Priority on

Mike One





- Uses Toshiba 5200 Transistors
- Multiple inputs for 5 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamplifier And Line Out for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4 & 8 Ohms and 70V, 100V line.
- Provided with fans to keep the amplifier cool enabling trouble free operations under extreme climate conditions.
- Line Input for connecting the output from any external mixer.

With Monitor Facility

MIA - 160U

160W AC / DC 12V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM Features •



◆ 19" Rack Mountable Sturdy Chasis in 2U Height

- Uses Toshiba 5200 Transistors
- Multiple inputs for 5 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

MIA - 120U

120W AC / DC 12V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM



- Features * * #\$B - 19" Rack Mountable Sturdy Chasis in 2U Height
- ► Uses Toshiba 5200 Transistors
- Multiple inputs for 5 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

Specification •

Model	MIA - 350U	MIA - 250U	MIA - 160U	MIA - 120U
Power Requirements	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz
	DC 36 V (3 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)
Power Output	380 W (Max.), 350W (RMS) at 10% THD	300 W (Max.), 210W (RMS) at 10% THD	160 W (RMS) at 10% THD	120 W (RMS) at 10% THD
Input Channels	5 Mikes 2 Aux.	5 Mikes 2 Aux.	5 Mikes 2 Aux.	5 Mikes 2 Aux.
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB
Tone Control	Bass: ±10dB at 100Hz,	Bass: ±10dB at 100Hz,	Bass: ±10dB at 100Hz,	Bass: ±10dB at 100Hz,
	Treble: ±10dB at 10KHz,	Treble: ±10dB at 10KHz,	Treble: ±10dB at 10Khz	Treble: ±10dB at 10Khz
Pre-amp. Output	200mV / 600 Ohms	200mV / 600 Ohms	200mV / 600 Ohms Pre Amp	200mV / 600 Ohms Pre Amp
Line Output	1V / 1K Ohms	1V / 1K Ohms		
Signal To Noise Ratio	60dB	60dB	60dB	60dB
Output Taps For	4-8 Ohms	4-8 Ohms	4-8-16 Ohms	4-8-16 Ohms
Speaker Matching	70V-100V Line	70V-100V Line	70V-100V Line	70V-100V Line
Weight (approx.)	24.000 Kg.	20.000 Kg.	12.000 Kg	11.800 Kg.



Instant transfer to DC power if AC power fails.

MIA SERIES AMPLIFIERS

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MIA - 100U

100W AC / DC 12V, 4 Mike 2 Aux, USB /SD Card Player & Recorder with FM















- In-built Bluetooth facility.
- Stylish 19" Rack Mountable Sturdy Chasis. - Multiple inputs for 4 Mikes / 2 Aux source.
- Active bass and treble control.
- Preamplifier Output for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

MIA - 80U

80W AC / DC 12V, 4 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Stylish 19" Rack Mountable Sturdy Chasis.
- Multiple inputs for 4 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamplifier Output for connecting to a booster amplifier and for recording the programme.
- LED Array for output level
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

MIA - 60UE

60W AC / DC 12V, 3 Mike 1 Aux, USB /SD Card Player & Recorder with FM In-built ECHO on Mike 2



















- Stylish 19" Rack Mountable Sturdy Chasis.
- Multiple inputs for 3 Mikes / 1 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control
- Preamplifier Output for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

MIA - 60U

60W AC / DC 12V, 3 Mike 1 Aux, USB /SD Card Player & Recorder with FM



Features •

















- Stylish 19" Rack Mountable Sturdy Chasis.
- Multiple inputs for 3 Mikes / 1 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamplifier Output for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

Specification •

Model	MIA - 100U	MIA - 80U	MIA - 60UE (ECHO inbuilt)	MIA - 60U
Power Requirements	AC 220-240 V 50/60 Hz			
	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)
Power Output	100 W (RMS) at 10% THD	80 W (RMS) at 10% THD	60 W (RMS) at 10% THD	60 W (RMS) at 10% THD
Input Channels	4 Mikes 2 Aux.	4 Mikes 2 Aux.	3 Mikes 1 Aux.	3 Mikes 1 Aux.
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB			
Tone Control	Bass: ±10dB at 100Hz,			
	Treble: ±10dB at 10Khz			
Line Output	200mV / 600 Ohms Pre Amp	200mV / 600 Ohms Pre Amp	200mV / 600 Ohms Line Out	200mV / 600 Ohms Line Out
Signal To Noise Ratio	60dB	60dB	60dB	60dB
Output Taps For	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms
Speaker Matching	70V-100V Line	70V-100V Line	70V-100V Line	70V-100V Line
Weight (approx.)	8.700 Kg.	7.000 Kg.	7.100 Kg.	7.100 Kg.



AC DC Instant transfer to DC power if AC power fails.



DJ AMPLIFIERS & P.A. HIGH POWER MIXER AMPLIFIERS

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DJ AMPLIFIER











With In-Built Echo

Features •

This Series of DJ Amplifier has power rating of 500, 800, 1000Watts. Most stable Toshiba transistors are used in this series. With In-Built USB Player/Recorder and FM Player Module and 3 Mike Input with Echo this series offer unique advantage for small music program. Extensive protection from short circuit, Clipping and over-temperature is provided.

Specification •

Model	Denson-5500	Denson-8500	Denson-10500
Output (8 Ohms)	350W	500W	700W
Output (4 Ohms)	500W	800W	1000W
Output (2 Ohms)	800W	1150W	1500W
Frequency Response	20Hz-20Khz, -1.5dB	20Hz-20Khz, -1.5dB	20Hz-20Khz, -1.5dB
S/N Ratio	75dB	75dB	75dB
THD 0.25%	<0.08%	<0.08%	<0.08%
Damping Factor	100 @ 8 Ohms 1 KHz	100 @ 8 Ohms 1 KHz	100 @ 8 Ohms 1 KHz
Slew Rate	10v/uS	10v/uS	10v/uS
Input Sensitivity	0.7V/1V/1.44V	0.7V/1V/1.44V	0.7V/1V/1.44V
Input Connector	XLR	XLR	XLR
Output Connector	Speakon, Binding Posts	Speakon, Binding Posts	Speakon, Binding Posts
Protection	DC / Short Circuit / Temperature/ Limit	DC / Short Circuit / Temperature/ Limit	DC / Short Circuit / Temperature/ Limit
AC Input	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Dimensions	482 X 88 X 455 cm	482 X 88 X 455 cm	482 X 88 X 455 cm
Weight (approx.)	15.200 Kg	17.100 Kg	18.000 Kg

DENSON - 5600U

600W AC / DC 36V, 7 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features • * * #\$B













- ► Multiple inputs for 7 Mikes / 2 Aux source.
- Individual volume control for each input.
- Provided with fans to keep the amplifier cool enabling trouble free operations under extreme climate conditions.
- Active bass and treble control.
- Led array for output level.
- In-built Bluetooth facility.
- Booster amplifier can be connected through line out and preamp output provided at the rear panel.
- External speaker connections are provided for 2, 4, 8 Ohms and 70V, 100V line.
- Line Input for connecting the output from any external mixer

SSA - 650

750W AC / DC 36V, 7 Mike 2 Aux



Features •





- Multiple inputs for 7 Mikes / 2 Aux source.
- Led array for output level.
- Box speaker/driver unit selector switch. Bass boost defeated at driver unit position for safer operations of driver unit.
- Resettable circuit breaker for protection against overload and short circuit.
- Booster amplifier can be connected through line out and preamp output provided at the rear panel.
- External speaker connections are provided for 4, 8 Ohms and 70V, 100V line.
- Line Input for connecting the output from any external mixer

Specification •

Model	DENSON - 5600U	SSA - 650
Power Requirements	AC 220-240 V 50/60 Hz DC 36 V (3 X 12 V CAR BATTERY)	AC 220-240 V 50/60 Hz DC 36 V (3 X 12 V CAR BATTERY)
Power Output	600 W (Max.)	750 W (Max.)
Input Channels	7 Mikes 2 Aux. 1 USB Port 1 SD / MMC Card Reader	7 Mikes 2 Aux.
Frequency Response	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB
Tone Control	Bass: ±10dB at 100Hz, Treble: ±10dB at 10Khz,	Bass: ±10dB at 100Hz, Treble: ±10dB at 10KHz,
Pre-amp. Output	200mV / 600 Ohms	200mV / 600 Ohms
Line Output	1V / 1K Ohms	1V / 1K Ohms
Signal To Noise Ratio	60dB	60dB
Output Taps For	2-4-8 Ohms	4-8 Ohms
Speaker Matching	70V-100V Line	70V-100V Line
Weight (approx.)	34.000 Kg.	22.000 Kg.



Instant transfer to DC power if AC power fails.

ss Box Speaker / Driver Unit selector switch.





TZA - 7000U

500W + 500W AC / DC 36V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM

















- Multiple inputs for 6 Mics / 2 Aux source.
- Stereo / mono selector switch for DJ / PA Programmes.
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.
- Tone control: Active Bass & Treble for each zone.
- In-built Bluetooth facility.
- Preamplifier & Line out for connecting to a booster amplifier and for recording the programme Line Input for connecting the output from any external mixer.
- LED Array for output level.
- Zone on/off facility. output levels of each zones can be adjusted independently to desired levels and the zones can be switched on/off without disturbing the volume.

TZA - 4000U

300W + 300W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •















- Multiple inputs for 6 Mics / 2 Aux source
- Stereo / mono selector switch for DJ / PA Programmes.
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.
- Tone control: Active Bass & Treble for each zone.
- In-built Bluetooth facility.
- Preamplifier & Line out for connecting to a booster amplifier and for recording the programme Line Input for connecting the output from any external mixer.
- LED Array for output level.
- Zone on/off facility. output levels of each zones can be adjusted independently to desired levels and the zones can be switched on/off without disturbing the volume.

Specification •

opcomount -		
Model	TZA-7000U	TZA-4000U
Power Requirement	AC: 220-240V 50/60Hz DC: 36V (3×12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2×12V Car Battery)
Power Output	500W + 500W Max., 350W + 350W RMS at 10% THD	300W + 300W Max., 200W + 200W RMS at 10% THD
Input Channels	Mono 6 × Mic 0.6 mV/ 4.7 k Ω , 2 × Aux 100 mV/ 470 k Ω ,	Mono 6 × Mic 0.6mV/4.7k Ω , 2 × Aux 100mV/470k Ω ,
	Stereo L/R 200mV/100k Ω , Line L/R 1V/50k Ω	Stereo L/R $200 mV/100 k\Omega$, Line L/R $1V/50 k\Omega$
Frequency Response	50-15,000Hz ±3dB	50-15,000Hz ±3dB
Tone Controls	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
Preamp Output	200mV/600Ω	200mV/600Ω
Line Output	1V/1kΩ	1V/1kΩ
Signal to Noise Ratio	60dB	60dB
Speaker Outputs	$4\Omega,8\Omega,70V$ & 100V for each zone	$4\Omega,8\Omega,70\text{V}$ & 100V for each zone
Weight	38 Kg	23 Kg



Instant transfer to DC power if AC power fails.

ss Box Speaker / Driver Unit selector switch.

These Twin Zone amplifiers has an advantage for connecting indoor speakers like Denson-905 T at one zone and outdoor speakers like 21" Horn Speaker at other zone. This facility is useful for religious places like Mosques, Churches, Gurudwaras, and Temples etc. where the announcement is to be made indoor and outdoor at the same time.



P. A. TWIN ZONE POWER AMPLIFIERS

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DENSON - 2525 UE

300W + 300W AC / DC 36V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •













- Multiple inputs for 6 Mics / 2 Aux source
- Stereo / mono selector switch for DJ / PA Programmes.
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.
- Tone control: Active Bass & Treble for each zone.
- In-built Bluetooth facility.
- Preamplifier & Line out for connecting to a booster amplifier and for recording the programme Line Input for connecting the output from any external mixer.
- LED Array for output level.
- Zone on/off facility. output levels of each zones can be adjusted independently to desired levels and the zones can be switched on/off without disturbing the volume.
- Echo facility inbuilt.

DENSON - 1515 UE

150W+150W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



















- Stereo / mono selector switch for DJ / PA Programmes.
- In-built Bluetooth facility.
- Separate line in and line out are provided for each zones.
- Separate monitors are provided for each zone to monitor The output level of each
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.

 Zone on/off facility. Output levels of each zones can be set independently to desired
- levels and the zones can be switched on/off without disturbing the volume.
 - Line Input for connecting the output from any external mixer.
 - Echo facility inbuilt.

DENSON - 1600 UE

80W +80W AC / DC 12V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •















- Multiple inputs for 6 Mics / 2 Aux source.
- In-built Bluetooth facility
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating. Both the zones can also be connected with 100 V Line type speakers or low impedance type speakers simultaneously.
- Cut type bass and treble control.
- Zone on/off facility. Output levels of each zone can be set independently to desired levels and the zones can be switched on/off without disturbing the volume.
- Echo facility inbuilt.

Specification •

Model	DENSON - 2525 UE	DENSON - 1515 UE	DENSON - 1600 UE
Power Requirements	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz
	DC 36 V (3 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)
Power Output	300 W + 300 W (Max.)	150 W + 150 W (Max.)	80 W + 80 W (Max.)
Input Channels	6 Mikes 2 Aux.	6 Mikes 2 Aux.	6 Mikes 2Aux
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	65-15000 Hz ± 3dB
Tone Control	BASS: ±10dB at 100Hz,	BASS: ±10dB at 100Hz,	BASS: -10dB at 100Hz,
	TREBLE: ±10dB at 10 Khz	TREBLE: ±10dB at 10 Khz	TREBLE: -10dB at 10 Khz
Pre-amp. Output	200mV/600 Ohms	200mV/600 Ohms	200mV/600 Ohms
Line Output	1V/1K Ohms	1V/1K Ohms	
Signal To Noise Ratio	60 dB	60 dB	60 dB
Output Taps For	4 & 8 Ohms each zone	4,8 & 16 Ohms each Zone	4 & 8 Ohms each Zone
Speaker Matching	70V-100V Line	70V-100V Line each Zone	70V-100V each Zone
Weight (approx.)	35.300 Kg.	25.300 Kg.	15.800 Kg.



Recognised Export House of India

Instant transfer to DC power if AC power fails.

Box Speaker / Driver Unit selector switch.

These Twin Zone amplifiers has an advantage for connecting indoor speakers like Denson-905 T at one zone and outdoor speakers like 21" Horn Speaker at other zone. This facility is useful for religious places like Mosques, Churches, Gurudwaras, and Temples etc. where the announcement is to be made indoor and outdoor at the same time.

300W + 300W AC / DC 36V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •











- Multiple inputs for 6 Mics / 2 Aux source
- Stereo / mono selector switch for DJ / PA Programmes.
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.
- Tone control: Active Bass & Treble for each zone.
- In-built Bluetooth facility.
- Preamplifier & Line out for connecting to a booster amplifier and for recording the programme Line Input for connecting the output from any external mixer.
- LED Array for output level.
- Zone on/off facility. output levels of each zones can be adjusted independently to desired levels and the zones can be switched on/off without disturbing the volume.

DENSON - 1515U

150W+150W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 6 Mics / 2 Aux source
- Stereo / mono selector switch for DJ / PA Programmes.
- In-built Bluetooth facility.
- Separate line in and line out are provided for each zones.
- ► It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.
- Zone on/off facility. Output levels of each zones can be set independently to desired levels and the zones can be switched on/off without disturbing the volume.
- Line Input for connecting the output from any external mixer

DENSON - 1600U

80W +80W AC / DC 12V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



- Features •













- Multiple inputs for 6 Mics / 2 Aux source.
- In-built Bluetooth facility
- ← It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating. Both the zones can also be connected with 100 V Line type speakers or low impedance type speakers simultaneously.
- Cut type bass and treble control.
- Zone on/off facility. Output levels of each zone can be set independently to desired levels and the zones can be switched on/off without disturbing the volume.

Specification •

Model	DENSON - 2525 U	DENSON - 1515 U	DENSON - 1600 U
Power Requirements	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz
	DC 36 V (3 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)
Power Output	300 W + 300 W (Max.)	150 W + 150 W (Max.)	80 W + 80 W (Max.)
Input Channels	6 Mikes 2 Aux.	6 Mikes 2 Aux.	6 Mikes 2Aux
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	65-15000 Hz ± 3dB
Tone Control	BASS: ±10dB at 100Hz,	BASS: ±10dB at 100Hz,	BASS : -10dB at 100Hz ,
	TREBLE: ±10dB at 10 Khz	TREBLE: ±10dB at 10 Khz	TREBLE: -10dB at 10 Khz
Pre-amp. Output	200mV/600 Ohms	200mV/600 Ohms	200mV/600 Ohms
Line Output	1V/1K Ohms	1V/1K Ohms	
Signal To Noise Ratio	60 dB	60 dB	60 dB
Output Taps For	4 & 8 Ohms each zone	4,8 & 16 Ohms each Zone	4 & 8 Ohms each Zone
Speaker Matching	70V-100V Line	70V-100V Line each Zone	70V-100V each Zone
Weight (approx.)	35.300 Kg.	25.300 Kg.	15.800 Kg.



Instant transfer to DC power if AC power fails.

ss Box Speaker / Driver Unit selector switch.

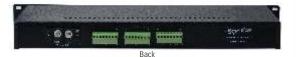
These Twin Zone amplifiers has an advantage for connecting indoor speakers like Denson-905 T at one zone and outdoor speakers like 21" Horn Speaker at other zone. This facility is useful for religious places like Mosques, Churches, Gurudwaras, and Temples etc. where the announcement is to be made indoor and outdoor at the same time.

ZONE SELECTOR & P.A. BOOSTER DJ AMPLIFIERS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

12 ZONE SPEAKER SELECTION CONSOLE





DJ - 15000

750W + 750W AC 220V



Features •

- 19" Rack Mountable 12 Zone Speaker Selection Console.
- All Zone Selection Button.
- Multiple units can be used for increasing the Number of Zones.

Features •

- Stereo / mono / parallel selector switch for DJ / PA Programmes.
- It permits connecting 100 V (LMT) type speakers to one zone and low impedance type speakers to other zone without causing over loading and over heating.
- Provided with fans to keep the amplifier cool, enabling trouble free operation under extreme climate conditions.
- Led Array for output level
- Switchable Line In for connecting external mixer or amplifier.
- External speaker connection are provided from 2,4 Ohms and 70V, 100V Line for each zone.

DJ - 1200U

1200W AC 220V, USB /SD Card Player & Recorder with FM













- Provided with fans to keep the amplifier cool, enabling trouble free operation under extreme climate conditions.
- In-built Bluetooth facility.
- Active Bass and Treble Control
- Master control to control the overall sound level
- Led Array for output level
- Box Speaker / Driver Unit slection switch.
- Switchable Line In for connecting external mixer or amplifier.
- External speaker connection are provided from 2,4 Ohms and 70V, 100V Line.

SPA 500

500W AC 220V



Features •

- Provided with fan to keep the amplifier cool enabling trouble free operations under extreme climate conditions
- Active Bass & Treble Control
- Master Control to control overall sound
- Led array for output level
- Line in 1V / 200mV switchable for connecting external mixer or amplifier
- External Speaker connection are provided for 2,4,8 Ohms and 70V and

Specification •

Model	DJ - 15000	DJ - 1200U	SPA 500
Power Requirements AC 220-240 V 50/60 Hz,		AC 220-240 V 50/60 Hz,	AC 220-240 V 50/60 Hz,
Power Output	750 W + 750 W (Max.)	1200 W (Max.)	500 W (Max.)
Input Channels	1 X line 1.44V, 1 X line 1.00V 1 Line 0.72V,	1 X line 1.44V. 1 Line 0.72V,	1 x Line 1V / 50KW,
		1 USB Port 1 SD / MMC Card Reader	1 x Line 200mV / 100KW
Frequency Response	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB
Tone Control		Bass: ±10dB at 100Hz, Mid: ±10dB at 1Khz,	Bass: ±10dB at 100Hz, Mid: ±10dB at 100Hz,
		Treble: ±10dB at 10 Khz	Treble: ±10dB at 10 Khz
Pre-amp. Output	200mV/600 Ohms	200mV/600 Ohms	200mV/600 Ohms
Line Output	1V/1K Ohms	1V/1K Ohms	1V/1K Ohms
Signal To Noise Ratio	60 dB	60 dB	60 dB
Output Taps For	2-4 Ohms	2-4 Ohms	4-8 Ohms
Speaker Matching	70V-100V LINE	70V-100V LINE	70V-100V LINE
Weight (approx.)	32.000 Kg.	23.000 Kg.	20.000 Kg.

Booster Amplifiers can be Connected with Mixer Amplifiers to Deliver Combined Output of both.

P.A. HIGH POWER MIXER AMPLIFIERS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company



DENSON - 400U

400W AC / DC 36V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 6 Mikes / 2 Aux source.
- Individual volume control for each input.
- In-built Bluetooth facility.
- Tone control : low, mid and high.
- LED array for output level.
- Booster amplifier can be connected through line out and preamp output provided at the rear panel.
- External speaker connections are provided for 2, 4, 8 Ohms and 70V, 100V line.

DENSON - 300U

300W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 6 Mikes / 2 Aux source.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- Passive bass and treble control.
- In-built Bluetooth facility.
- LED array for output level.
- External speaker connections are provided for 4, 8,16 Ohms and 70V, 100V line.

SSA - 250U

300W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •













- Multiple inputs for 6 Mikes / 2 Aux source
- Line input for connecting the output from any external mixer or permitting to be used as a booster power amplifier.
- In-built Bluetooth facility.
- Preamplifier and line output for connecting to a booster amplifier and for recording the programme
- Box speaker/driver unit selector switch. Bass boost defeated at driver unit position for safer operations of driver unit.
- Resettable circuit breaker for protection against overload and short circuit
- Booster amplifier can be connected through line out and pre amplifier provided at
- External speaker connections are provided for 4, 8 Ohms and 70V, 100V line

DENSON - 250U

250W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •

















- Multiple inputs for 6 Mikes / 2 Aux source.
- Preamplifier Out for connecting to a booster amplifier and for recording the programme.
- Passive bass and treble control.
- In-built Bluetooth facility.
- LED array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

Specification •

Model	DENSON - 400U	DENSON - 300U	SSA - 250U	DENSON - 250U
Power Requirements	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz
	DC 36 V (3 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)
Power Output	400 W (Max.)	300 W (Max.)	300 W (Max.)	250 W (Max.)
Input Channels	6 Mikes 2 Aux.	6 Mikes 2 Aux.	6 Mikes 2 Aux.	6 Mikes 2 Aux.
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB	50-15000 Hz ± 3dB
Tone Control	Low: ±10dB at 100Hz, Mid: ±5dB at 1Khz,	Bass: ±10dB at 100Hz,	Bass: ±10dB at 100Hz,	Bass: ±10dB at 100Hz,
	Hi: ±10dB at 10KHz,	Treble: ±10dB at 10Khz	Treble: ±10dB at 10Khz	Treble: ±10dB at 10Khz
Pre-amp. Output	200mV / 600 Ohms	200mV / 600 Ohms	200mV / 600 Ohms	200mV / 600 Ohms
Line Output	1V / 1K Ohms		1V / 1K Ohms	
Signal To Noise Ratio	60dB	60dB	60dB	60dB
Output Taps For	2-4-8 Ohms	4-8-16 Ohms	4-8 Ohms	4-8-16 Ohms
Speaker Matching	70V-100V Line	70V-100V Line	70V-100V Line	70V-100V Line
Weight (approx.)	26.000 Kg.	20.500 Kg.	14.000 Kg.	17.700 Kg.



Instant transfer to DC power if AC power fails.



s s Box Speaker / Driver Unit selector switch.

P.A. HIGH POWER MIXER AMPLIFIERS

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DENSON - 250 UE

250W AC / DC 24V, 6 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •

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- Multiple inputs for 6 Mikes / 2 Aux source.
- Preamplifier Out for connecting to a booster amplifier and for recording the programme.
- Passive bass and treble control.
- In-built Bluetooth facility.
- LED array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.
- Echo facility inbuilt.

DENSON - 200 UE

200W AC / DC 24V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •











- Multiple inputs for 5 Mikes / 2 Aux source.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- Passive bass and treble control.
- In-built Bluetooth facility.
- LED array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.
- Echo facility inbuilt.

DENSON - 160 UE

160W AC / DC 12V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •















- Multiple inputs for 5 Mikes / 2 Aux source
- In-built Bluetooth facility.
- Passive bass and treble control.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.
- Echo facility inbuilt.

DENSON - 120 UE

120W AC / DC 12V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM





Features •—















- Multiple inputs for 5 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Passive bass and treble control.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.
- Echo facility inbuilt.

Specification •

Model	DENSON - 250 UE	DENSON - 200 UE	DENSON - 160 UE	DENSON - 120 UE
Power Requirements	AC 220-240 V 50/60 Hz			
	DC 24 V (2 X 12 V CAR BATTERY)	DC 24 V (2 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)
Power Output	250 W (Max.)	200 W (Max.)	160 W (Max.)	120 W (Max.)
Input Channels	6 Mikes 2 Aux.	5 Mikes 2 Aux.	5 Mikes 2 Aux.	5 Mikes 2 Aux.
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB			
Tone Control	Bass: ±10dB at 100Hz,			
	Treble: ±10dB at 10Khz			
Pre-amp. Output	200mV / 600 Ohms	200mV / 600 Ohms	200mV / 600 Ohms	200mV / 600 Ohms Pre Amp
Line Output				
Signal To Noise Ratio	60dB	60dB	60dB	60dB
Output Taps For	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms
Speaker Matching	70V-100V Line	70V-100V Line	70V-100V Line	70V-100V Line
Weight (approx.)	17.700 Kg.	16.000 Kg.	12.500 Kg.	12.000 Kg.



Instant transfer to DC power if AC power fails.



ss Box Speaker / Driver Unit selector switch.

P.A. MEDIUM POWER MIXER AMPLIFIERS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

DENSON - 200U

200W AC / DC 24V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 5 Mikes / 2 Aux source
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- Passive bass and treble control.
- In-built Bluetooth facility.
- LED array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

DENSON - 160U

160W AC / DC 12V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 5 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Passive bass and treble control
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

DENSON - 120U

120W AC / DC 12V, 5 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •















- Multiple inputs for 5 Mikes / 2 Aux source
- In-built Bluetooth facility.
- Passive bass and treble control.
- Preamplifier for connecting to a booster amplifier and for recording the programme.
- LED Array for output level.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

DENSON - 100U

100W AC / DC 12V, 4 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •

















- Multiple inputs for 4 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamp output provided at rear panel to connect it with pre amplifier for recording of programme.
- Led array for output level
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

Specification •

Model	DENSON - 200U	DENSON - 160U	DENSON - 120U	DENSON - 100U
Power Requirements	AC 220-240 V 50/60 Hz			
	DC 24 V (2 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V (1 X 12 V CAR BATTERY)
Power Output	200 W (Max.)	160 W (Max.)	120 W (Max.)	100 W (Max.)
Input Channels	5 Mikes 2 Aux.	5 Mikes 2 Aux.	5 Mikes 2 Aux.	4 Mikes 2 Aux.
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB			
Tone Control	Bass: ±10dB at 100Hz,			
	Treble: ±10dB at 10Khz			
Pre-amp. Output	200mV / 600 Ohms	200mV / 600 Ohms	200mV / 600 Ohms Pre Amp	200mV / 600 Ohms Pre Amp
Line Output				
Signal To Noise Ratio	60dB	60dB	60dB	60dB
Output Taps For	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms
Speaker Matching	70V-100V Line	70V-100V Line	70V-100V Line	70V-100V Line
Weight (approx.)	16.000 Kg.	12.500 Kg.	12.000 Kg.	9.000 Kg.



Instant transfer to DC power if AC power fails.

APPLICATIONS:

- Departmental Store Religious Discourses
- Large Shops
- Medium Gatherings
- School Assemblies Announcements

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P.A. LOW POWER MIXER AMPLIFIERS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

DENSON - 80U

80W AC / DC 12V, 4 Mike 2 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 4 Mikes / 2 Aux source.
- In-built Bluetooth facility.
- Active bass and treble control.
- Preamp output provided at rear panel to connect it with pre amplifier for recording of programme.
- Led array for output level
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

DENSON - 50U

50W AC / DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 2 Mikes / 1 Aux source.
- In-built Bluetooth facility.
- Cut type bass and treble control.
- Line output provided at rear panel to connect it with booster amplifier.
- External speaker connections are provided for 4, 8, 16 Ohms and 100V line.

DENSON - 45U

50W AC / DC 12V, 3 Mike 1 Aux, USB /SD Card Player & Recorder with FM



Features •













- Multiple inputs for 3 Mikes / 1 Aux source.
- In-built Bluetooth facility.
- Cut type tone control.
- Provided with battery charging facility.
- Multi power source amplifier: AC mains, 12V DC (car battery) and 12V DC (8 x
- AC / battery selector switch.
- External speaker connections are provided for 4, 8, 16 Ohms and 70V, 100V line.

DENSON - 40U

40W AC / DC 12V, 3 Mike 1 Aux USB /SD Card Player & Recorder with FM



Features •















- Multiple inputs for 3 Mikes / 1 Aux source.
- Cut type tone control.
- Portable and ideal for use in electricity failure prone areas.
- External speaker connections are provided for 4, 8, 16 Ohms and 100V Line .
- Multi power source amplifier: AC mains, 12V DC (car battery) and 12V DC (8 x 1.5 v UM-1 cell).

Specification •

Model	DENSON - 80U	DENSON - 50U	DENSON - 45U	DENSON - 40U
Power Requirements	AC 220-240 V 50/60 Hz			
	DC 12 V (1 X 12 V CAR BATTERY)	DC 12 V	DC 12 V (Dry Cells UM-1)	DC 12 V (Dry Cells UM-1)
Power Output	80 W (Max.)	50 W (Max.)	45 W (Max.)	40 W (Max.)
Input Channels	4 Mikes 2 Aux.	2 Mikes 1 Aux	3 Mikes 1 Aux	3 Mikes 1 Aux
	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader	1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB	100-15000 Hz ± 3dB	100-13000 Hz ± 3dB	100-15000 Hz ± 3dB
Tone Control	Bass: ±10dB at 100Hz,	Bass : -10dB at 100Hz,	Cut Type Tone Control	Bass : -10dB at 100Hz,
	Treble: ±10dB at 10Khz	Treble:-10dB at 10Khz	-10dB at 10Khz	Treble:-10dB at 10Khz
Line Output	200mV / 600 Ohms Pre Amp	1 V / 1K Ohms		
Signal To Noise Ratio	60dB	60dB	60dB	60dB
Output Taps For	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms
Speaker Matching	70V-100V Line	100V Line	70V-100V Line	100V Line
Weight (approx.)	7.200 Kg.	5.500 Kg.	6.200 Kg.	5.500 Kg.



Instant transfer to DC power if AC power fails.

- APPLICATIONS:
- Departmental Stores
- Medium Gatherings
- Paging Systems Factories
 - Banquets
- Seminars Religious Places Religious Discourses
 - Health Clubs
- Small Installations

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UTR - 40

40W AC / DC 12V, 3 Mike 1 Aux



Features •



- Multiple inputs for 3 Mikes / 1 Aux source.
- Cut type tone control.
- Dry battery on/off switch.
- Portable and ideal for use in electricity failure prone areas.
- External speaker connections are provided for 4, 8, 16 Ohms and 100V Line .
- Multi power source amplifier: AC mains, 12V DC (car battery) and 12V DC (8 x 1.5 v UM-1 cell).

DENSON - 30U

30W AC / DC 12V, 3 Mike 1 Aux USB /SD Card Player & Recorder with FM



Features •











- Multiple inputs for 3 Mikes / 1 Aux source.
- Cut type tone control.
- Portable and ideal for use in electricity failure prone areas.
- External speaker connections are provided for 4, 8, 16 Ohms .
- Multi power source amplifier: AC mains, 12V DC (car battery) and 12V DC (8 x 1.5 v UM-1 cell).

UTR - 30

30W AC / DC 12V, 3 Mike 1 Aux



Features •



- Multiple inputs for 3 Mikes / 1 Aux source.
- Cut type tone control.
- Dry battery on/off switch.
- Portable and ideal for use in electricity failure prone areas.
- External speaker connections are provided for 4, 8, 16 Ohms .
- Multi power source amplifier: AC mains, 12V DC (car battery) and 12V DC (8 x 1.5 v UM-1 cell).

USB PLAYER / RECORDER

AC / DC 12V, 300mV, USB /SD Card Player & Recorder with FM



Features •













- Mp3 Compatible USB Port
- Digital FM Player
- Digital Equalizer
- Remote Control

Specification •

Model	UTR - 40	DENSON - 30U	UTR - 30
Power Requirements	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz	AC 220-240 V 50/60 Hz
	DC 12 V (Dry Cells UM-1)	DC 12 V (Dry Cells UM-1)	DC 12 V (Dry Cells UM-1)
Power Output	40 W (Max.)	30 W (Max.)	30 W (Max.)
Input Channels	3 Mikes	3 Mikes 1 Aux	3 Mikes
	1 Aux	1 USB Port 1 SD / MMC Card Reader	1 Aux
Frequency Response	100-15000 Hz ± 3dB	150-10000 Hz ± 3dB	150-10000 Hz ± 3dB
Tone Control	Bass : -10dB at 100Hz,	Cut Type Tone Control	Cut Type Tone Control
	Treble:-10dB at 10Khz	-10dB at 10 Khz	-10dB at 10 Khz
Signal To Noise Ratio	60dB	60dB	60dB
Output Taps For	4-8-16 Ohms	4-8-16 Ohms	4-8-16 Ohms
Speaker Matching	100V Line		
Weight (approx.)	5.500 Kg.	4.400 Kg.	4.400 Kg.



Instant transfer to DC power if AC power fails.

- APPLICATIONS:
- Small Installations
- Paging System
- Banquets
- Health Clubs



- Small Get together
- Factories
- Religious Meetings



P.A. MIXER / P.A. MOBILE AMPLIFIER CUM SIREN

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

MIX SERIES

MIX-160 / MIX-120 / MIX-80 / MIX60



Features •

- Mp3 Compatible USB / SD Card Port with LCD Display & Recording Facility.
- Attractive and stylish look with LCD Display.
 Mono input channels with gold plated XLR's and balanced line inputs.
- Gain control with 3 Band EQ per channel.
- Echo Control for individual channel.
- Pan control for individual channel.
- Headphone output.
- PFL switch provided per channel to select the monitoring of any channel on headphone.

P.A. MOBILE AMPLIFIER CUM SIREN

MSA - 500

50W DC 12V, 2Mike 1 Aux & 2 Siren Tone



Features •

- Inputs 2 Mikes / 1 Aux source.
- Siren on/off switch provided.
- Provided with clamp to fit it under the front dash board.
- Selector switch to select between the two siren (Wailing & Yelping) with volume control.

 External speaker connections for 4, 8 Ohms and
- 100V line speakers.
- Recommended for use with mike PT-400 & horn speaker P-110 / PUH 60.
- Ideal for police vehicles, crowd control, ambulance, publicity van, electioneering etc.

MSA - 500U

50W DC 12V, 2Mike 1 Aux & 2 Siren Tone, USB Player / Recorder & FM Player











SOLAR POWERED RECHARGEABLE P.A. SYSTEM



SPECIF	ICATIONS
Power Supply	12 V Car Battery (DC)
Power Output	50 W RMS Max.
Input Channels	2 x Mikes - 1 x Aux
Frequency Response	100- 10000 Hz ± 3dB
S/n Ratio	60dB
Speaker Outputs	4-8 Ohms - 100 V Line
Weight	1.900

PS - 20

20W DC 12V with Siren



Features •



- Inputs 12 V Car Battery.
- Provided with clamp to fit it in the factory.
 Output 20 W Wailing siren Tone.

SPECIF	ICATIONS
Power Supply	12 V Car Battery (DC)
Power Output	20 W RMS (Two Tone Siren)
Frequency Response	100- 10000 Hz
S/n Ratio	60dB
Weight	1.900

WAS - 40





- 40 W PA System with Inbuilt Rechargeable Battery.
- Can be Connected 12V Solar Panel to Recharge the Inbuilt Battery.
- 2 Mike / 1 Aux / Inbuilt MP3 Player
- Includes 1 Mike with 4.5 Mtrs.
- Low Distortion Mike Cable







Portable P.A. Systems

Portable P.A. Systems

P.A. Megaphones

P.A. Power Podium



An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

LONG LASTING BATTERY BACK UP

PORTABLE P. A. SYSTEM is suitable for lectures, religious discourses, small parties, yoga classes, field publicity, bus tours, outdoor activities, conference halls, discussion rooms etc. where permanent sound facilities are not required. These Portable Systems are sufficient for the gathering of upto 100 persons. It Operates on any of the 2 power source i.e., AC Mains & Built In 12V Rechargeable Battery.

MPA 100

COMPACT
 ECONOMICAL
 ATTRACTIVE
 USER - FRIENDLY

■ RUGGED ■ HEAVY DUTY

40W DC 12V, 2 Mike 1 Aux





Front

MPA 100UC

40W DC 12V, 2 Mike 1 Aux, USB /SD Card Player / Recorder with FM One VHF Hi-Band Cordless Mike















Modulation Mode	VHF
Directivity	Dynamic Unidirectional
Effective Distance	25 to 30 Feet
Battery	1 x 9v Battery

Wireless Microphone

MPA 100U

40W DC 12V, 2 Mike 1 Aux, USB /SD Card Player / Recorder with FM













Specification •

MODEL	MPA-100UC / MPA-100C / MPA-100U / MPA-100
POWER REQUIREMENT	AC 220-240 V 50/60 Hz DC 12 V 7.5 AH Rechargeable Battery (In Built)
POWER OUTPUT	40 Watts (Music Power)
INPUT CHANNELS	2 Mikes / 1 Aux
FREQUENCY RESPONSE	50 Hz to 15 KHz ± 3dB
TONE CONTROL	Bass & Treble (Cut Type) Bass at 100 Hz - 5 dB Treble at 10 Khz - 5 dB
PRE-AMP. OUTPUT	200mV
EXT. SPEAKER	1 x 8 Ohms
PROTECTION	Wrong Battery Polarity
WEIGHT (Kg.) Approx.	6.000 (with Battery)

Features •

- 1 XLR Mike included
- Built in 15 cm speaker
- Built in rechargeable battery with battery charging facility.
- Battery can last upto 8 Hours.
- Distance coverage is approx. 100 feet LED indicators for power and battery charging
- Provision to connect an external 8 Ohms Speaker
- Suitable for gathering upto 100 people
- Attractive, stylish white ABS plastic unit
- Provided with stylish bag for better handling and to protect against dust.

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

Mega Portable Public Address System is launched to reduce the headache of installing separate units like Amplifier, Speakers, Microphones etc. These Portable Systems are sufficient for the gathering of upto 100 persons. Suitable for lectures, yoga classes, religious discourses, small parties, field publicity, bus tours, outdoor activities, conference halls, discussion rooms etc. It's in built rechargeable battery makes it mobile and suitable for electricity failure prone areas.

MP - 99

- COMPACT
 ECONOMICAL
 ATTRACTIVE
 USER FRIENDLY
 DURABLE
- COMFORTABLE
 RUGGED
 HEAVY DUTY
 LONG LASTING BATTERY BACK UP







MP - 99UEC

40W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM One VHF Hi-Band Cordless Mike In-built ECHO Facility



Wireless Microphone

VHF

Dynamic Unidirectional

25 to 30 Feet











MP - 99UE

40W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM In-built ECHO Facility













Specification •

Modulation Mode

Directivity
Effective Distance

MODEL	MP-99UEC / MP-99UC / MP-99UE / MP-99U / MP-99
POWER REQUIREMENT	AC 220-240 V 50/60 Hz DC 12 V Rechargeable Battery (In Built)
POWER OUTPUT	40 Watts (Music Power)
INPUT CHANNELS	2 Mikes / 1 Aux
FREQUENCY RESPONSE	100 Hz to 18 KHz ± 3dB
TONE CONTROL	Cut Type At 10 Khz - 10 dB
EXT. SPEAKER	1 x 8 Ohms (10 Watt)
PROTECTION	Wrong Battery Polarity
WEIGHT (Kg.) Approx.	7.800 (with Battery)

Features •

- 1 XLR Mike included
- Built in 15 cm 4 Ohms speaker.
- Built in rechargeable battery with battery charging facility.
- Battery can last upto 8 Hours.
- LED indicators for power and battery charging.
- Provision to connect an external 8 Ohms speaker.
- Can be used mobile and static.
- Rugged unit finished with weather resistant paint.
- Suitable for the gathering of upto 100 persons.
- Provided with stylish bag for better handling and to protect against dust.



An ISO 9001 : 2015 & SO 14001 : 2015 Certified Company

MP - 99UC

40W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM One VHF Hi-Band Cordless Mike





Wireless	Microphone
Modulation Mode	VHF
Directivity	Dynamic Unidirectional
Effective Distance	25 to 30 Feet
Battery	1 x 9v Battery











MP³





40W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM













With Priority

Facility









🚯 USBer 🔞





Specification •

MODEL	MP-2803	
POWER REQUIREMENT	AC 220-240 V 50/60 Hz DC 12 V Rechargeable Battery (In Built)	
POWER OUTPUT	120 Watts (Music Power)	
INPUT CHANNELS	2 Mikes / 2 Aux	
FREQUENCY RESPONSE	50 Hz to 20 KHz ± 3dB	
TONE CONTROL	Bass at ±10dB at 100 Hz Treble ± 10 dB at 10 Khz	
EXT. SPEAKER	2 x 4 Ohms	
PROTECTION	Wrong Battery Polarity	
WEIGHT (Kg.) Approx.	14.500 (with Battery)	

- 1 XLR Mike & 2 Cordless Mike included (Option available for Lapel cordless)
- In-Built USB Player/ Recorder with FM Player
- In-Built Bluetooth Facility.
- Built in One 20 cm Low Frequency speaker, One 15 cm Mid Frequency speaker & One Piezo Tweeter. This ensures Hi-Fiedlity output of complete audio spectrum.
- Built in rechargeable battery with battery charging facility.
- Battery can last upto 4 Hours. Facility to connect external 12V battery.
- LED indicator for power. LED indicators for battery level indication.
 Mike Priority when USB / SD Card & FM Play.
- Can be used mobile and static.
- Rugged wooden cabinet with weather resistant paint.
- Suitable for the gathering of upto 300 persons.



An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

Mega Portable Public Address System is launched to reduce the headache of installing separate units like Amplifier, Speakers, Microphones etc. These Portable Systems are sufficient for the gathering of upto 200 persons. Suitable for lectures, yoga classes, religious discourses, small parties, field publicity, bus tours, outdoor activities, conference halls, discussion rooms etc. It's in built rechargeable battery makes it mobile and suitable for electricity failure prone areas.

MP - 80U

75W DC 12V, 2 Mike 1 Aux, USB / SD Card Player & Recorder with FM

- COMPACT
 ECONOMICAL
 ATTRACTIVE
 USER FRIENDLY
 DURABLE
- COMFORTABLE
 RUGGED
 HEAVY DUTY
 LONG LASTING BATTERY BACK UP







Carry Bag

Front

MP - 80UEC

75W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM One VHF Hi-Band Cordless Mike













Wireless Microphone

Modulation Mode	VHF
Directivity	Dynamic Unidirectional
Effective Distance	25 to 30 Feet
Battery	1 x 9v Battery

MP - 80UC

75W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM One VHF Hi-Band











Wireless Microphone

Modulation Mode	VHF
Directivity	Dynamic Unidirectional
Effective Distance	25 to 30 Feet
Battery	1 x 9v Battery



An ISO 9001 : 2015 & SO 14001 : 2015 Certified Company

MP - 80UE











MP - 80U











75W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM In-built ECHO Facility



75W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM



Specification •

MODEL	MP-80UEC / MP-80UC / MP-80UE / MP-80U
POWER REQUIREMENT	AC 220-240 V 50/60 Hz DC 12 V Rechargeable Battery (In Built)
POWER OUTPUT	75 Watts (Music Power)
INPUT CHANNELS	2 Mikes / 1 Aux
FREQUENCY RESPONSE	100 Hz to 15 KHz ± 3dB
TONE CONTROL	Bass & Treble (Cut Type) Bass at 100 Hz - 5 dB Treble at 10 Khz - 5 dB
EXT. SPEAKER	2 x 8 Ohms (20 Watt each)
PROTECTION	Wrong Battery Polarity
WEIGHT (Kg.) Approx.	11.500 (with Battery)

Features •

- 1 XLR Mike included.
- In-Built USB Player/ Recorder with FM Player
- In-Built Bluetooth Facility.
- Built in two 15 cm speaker.
- Built in rechargeable battery with battery charging facility.

- Battery can last upto 5 Hours.
 LED indicators for power and battery charging.
 Provision to connect two external 8 Ohms speaker.
- Can be used mobile and static.
- Rugged unit finished with weather resistant paint.
- Suitable for the gathering of upto 200 persons.
- Provided with stylish bag for better handling and to protect against dust.

MP - 25

P.A. Waist Band Amplifier

6 Watt Amplifier with inbuilt USB / FM Player Function and Head Mike Ideal for Tour Guide, Small Meetings & Mobile Publicity.



JK - 3M

P. A. Microphone Extension

JK-3M is used as a Pre-Mic Input Extension. It is used to extend the number of microphones inputs in an Amplifier or a Portable PA System. 3 microphones can be attached using JK-3M in a single mic input



An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

MP - 65UE









50W DC 12V, 2 Mike 1 Aux USB /SD Card Player & Recorder with FM In-built ECHO Facility

- Features :
 Mp3 Compatible USB Port / SD MMC Port
- 1 XLR Microphone included.
 1 X 8 inch Hi-Fi Speakers inbuilt.

- Inbuilt Echo

 AC 220-240V 50/60 Hz,

 DC 12V 7.5 AH (Inbuilt) Rechargeable Battery
- High Quality Wooden Enclosure in Carpet Finish







MP - 65UEC









50W DC 12V, 2 Mike 1 Aux, USB /SD Card Player & Recorder with FM One VHF Hi-Band Cordless Mike

In-built ECHO Facility

- Features:

 Mp3 Compatible USB Port / SD MMC Port

 One VHF High Band Cordless Microphone.

 1 XLR Microphone included.
- 1 X 8 inch Hi-Fi Speakers inbuilt.
- Inbuilt Echo AC 220-240V 50/60 Hz,
- DC 12V 7.5 AH (Inbuilt) Rechargeable Battery
 High Quality Wooden Enclosure in Carpet Finish









MG - 220D

25W DC 12V Shoulder Sling Type



Features •

- Dry Cell & 12 V Battery Operations
- All ABS body, sturdy yet lightweight
- Built in Siren
- Microphone with volume control and press to talk switch
- Ideal for mobile applications like field publicity, controlling chaos

MG - 220B

25W DC 12V Hand Held Type



Features •

- Dry Cell & 12 V Battery Operations
- All ABS body, sturdy yet lightweight
- Built in Siren
- Microphone with volume control and press to talk switch
- Ideal for mobile applications like field publicity, controlling chaos

MODEL	MG - 220 D	MG - 220 B
POWER REQ.	DC 12 V (Car Battery / 8 x UM-1 cell)	DC 12 V (Car Battery / 8 x UM-2 cell)
POWER OUTPUT	25 W (Max.)	25 W (Max.)
MICROPHONE	Unidirectional Dynamic with Volume Control & Press to Talk Switch	Unidirectional Dynamic with Volume Control & Press to Talk Switch
SIREN	1 Tone inbuilt	1 Tone inbuilt
VOICE RANGE	400 meter (1000 meter in Quiet Area)	400 meter (1000 meter in Quiet Area)
DIMENSION (MM)	Horn Ø220 Length 370	Horn Ø220 Length 370
MATERIAL	All ABS Body	All ABS Body
WEIGHT Approx.	2.200 Kg.	2.200 Kg.

P. A. MEGAPHONES

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

MP - 903U

40W DC 12V, 2 Mike 1 Aux

inbuilt USB / SD Card Player

Features — USD MP3







- Built in 4 Ohms horn speaker. Built in USB / SD Card Player
- Multi power source amplifier AC mains, 12 V DC (car battery) and 12 V DC (8 x 1.5 v UM-1 cell)
- Provision to connect an external 8 Ohms speaker.
- Can be used mobile and static.
- Rugged unit finished with weather resistant paint.
- Ideal for mobile applications like field publicity, controlling chaos etc.



MP - 89U

20W DC 12V, 2 Mike 1 Aux

inbuilt USB / SD Card Player

Features - WP3







- Built in USB / SD Card Player
- Dual power source amplifier:
 12 V DC (car battery) or 12 V DC (8 x 1.5 v UM-1 dry cells).
- Tone control.
- Provision to connect an external 8 Ohms speaker.
- Rugged unit finished with weather resistant paint.
- Ideal for mobile applications like field publicity, controlling chaos etc.



MG - 220UR

25W DC 12V

Features

- 25W DC 12V (Car Batt. / 8 x UM-1 cell)
- Shoulder Sling Type
- 3 Tone Siren



MP - 20

10W DC 12V, 1 Mike

Features

- Built in 4 Ohms horn speaker.
- Dual power source amplifier: 6 V DC (external battery) Or 7.5 V DC (5 x 1.5 v UM-1 dry cells)
- Volume control with on / off facility.
- Rugged unit finished with weather resistant paint.
- Ideal for mobile applications like field publicity, controlling chaos etc.



MP - 89

20W DC 12V, 2 Mike 1 Aux

Features •

- Built in 8 Ohms horn speaker.
- Dual power source amplifier : 12 V DC (car battery) or 12 V DC (8 x 1.5 v UM-1 dry cells).
- Tone control.
- Provision to connect an external 8 Ohms speaker.
- Rugged unit finished with weather resistant paint.
- Ideal for mobile applications like field publicity, controlling chaos etc.



MG - 100SR

15W DC 3.7V

Features

- ► 15W DC 3.7V Inbuilt Rechargeable Battery
- Hand held Type
- 3 Tone Siren & Recording



MODEL	MP - 903	MP - 20	MP - 89U	MP - 89	MG - 220UR	MG - 100SR
POWER REQ.	AC 220-240 V50/60 Hz	DC 12V (Car Battery	DC 12V (Car Battery	DC 12V (Car Battery	DC 12V (Car Battery	DC 3.7V Inbuilt
	DC 12 V (Car Batt. / 8xUM-1 cell)	/ 5 x UM-I cells)	/ 8 x UM-I cells)	/ 8 x UM-I cells)	/ 8 x UM-I cells)	Rechargeable Battery
INPUT CHANNELS	2 Mikes / 1 Aux.	1 Mike	2 Mikes 1 Aux	2 Mikes 1 Aux	_	
			USB /SD Card Player			
POWER OUTPUT	40 W (Max.)	10 W (Music Power)	20 W (Music Power)	20 W (Music Power)	25 W (Music Power)	15 W (Music Power)
MICROPHONE	Unidirectional Dynamic	Unidirectional Dynamic	Unidirectional Dynamic	Unidirectional Dynamic	Unidirectional Dynamic	Unidirectional Dynamic
SIREN					3 Tone Siren	3 Tone Siren
VOICE RANGE	600 meter (1500 meter	300 meter (700 meter in	300 meter (700 meter in	300 meter (700 meter in	300 meter (700 meter in	200 meter (500 meter in
	in Quiet Area)	Quiet Area)	Quiet Area)	Quiet Area)	Quiet Area)	Quiet Area)
WEIGHT Approx.	4.000 Kg.	1.700 Kg. (with Battery)	2.800 Kg.	2.800 Kg.	1.270 Kg.	0.565 Kg.

P. A. POWER PODIUM WITH LAPTOP TABLE

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PD - 900









The Lectern is an attractive public address podium that features an all-in-one design with built-in 60W amplifier, 60W column speaker with one tweeter and three woofers. Two flexible gooseneck microphone, one reading lamp, two VHF microphone are provided as well. Available in black finish, wooden top and steel bottom, steel body.







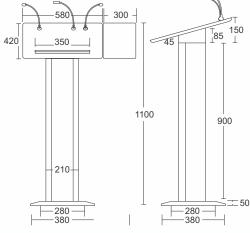


Folded Laptop Table Position

Features •

- MP3 Compatible USB / SD Card Port with Recording Facility and FM Player.
- Built-in RMS 60W amplifier (4 ohms output)
- Built-in three 4" woofer and one 2" tweeter
- Two flexible gooseneck microphone & one reading lamp
- MIC2/Line input and stereo music input
- Line output and REC output
- Bass, treble aux, Mic1 and Mic2/Line volume control
- Extra output for amplifier
- Extra output for speaker (one 4 ohms speaker/ two 8 ohms speakers parallel connection)
- AC power switch and light power switch
- AC 220V, 50Hz power operation
- Wooden top, steel body and bottom
- Black or white finish

Specification -	
Specification	
Power supply	AC 230V/ 50Hz
Rated power output	60W
Frequency response	100Hz-16000Hz
Power consumption	100W
Inputs	Mic1: -50dB±2dB1.5/680Ω Mic2: -55dB±2dB1.5/600Ω Line: -20dB±2dB1.5/50Ω Aux: 120dB±2dB1.5/10ΚΩ 215dB±2dB1.5/30ΚΩ 310dB±2dB1.5/50ΚΩ 43dB±2dB1.5/80ΚΩ
Frequency Range	VHF 220-270 Mhz
Modulation Mode	VHF
Output	1V/0dB
Tone control	Bass 10dB/Treble 10dB
Paging range	15-30 meters
Dimensions (mm)	580(L)x420(W)x1100(H)
Weight (Approx.)	30Kg



Mega

TWO WAY - INTERCOM MICROPHONE

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Features •

This product is a professional duplex intercom system, Ideal for the bank, securities, hospital, bus station etc. where guard glass again theft is installed.

- Adjustable volume with separate switch.
- Spare record jack for external recording function.
- Anti-interference and noise-free function.

Specifications •

- 1. Power Adapter: Input AC 220V. Output AC 14V
- 2. Frequency Response: 80Hz-14KHz
- 3. Desktop Unit Dimensions: 145x135x56mm
- 4. Gooseneck length: 355mm
- 5. Wall Mount Unit Dimension: 70x70x20mm

CONFERENCE SYSTEM





P.A. Microphones

- P.A. Wireless Microphones
- P.A. Professional Microphones
- P.A. Economy Microphones

- P.A. Tie Pin Mike
- P.A. Chime Tone Mike



P.A. WIRELESS MICROPHONES

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

MU - 2010

Features •

- High performance multi-channel UHF Wireless Microphone System incorporating PLL frequency synthesis for stable performance.
- Table-top space diversity receiver with detachable BNC antennas.
- Unbalanced audio output through ½" jack socket and balanced audio output through a 3 pin XLR male socket
- 16x2 selectable frequency design that allows two microphone to be used at the same time without mutual interference.
- Perfect operative status signals, fluorescence display, with digital microphone.
- Microphone operates with 1.5v x 2 and Receiver operates on an AC Adaptor, which are supplied along with the system.
- Microphone has a 3-position push switch for Audio ON, Audio MUTE and OFF conditions.
- Distance coverage more than 300 feet.

DEOEIVED	0
RECEIVER	Specifications
RF FREQUENCY RANGE	UHF 610 to 810 MHz
FREQUENCY STABILIZATION	10ppm
SWITCHING BANDWIDTH	24 MHz
RECEIVING SENSITIVITY	105dBm(S/N:-12dB 15KHz)
RF IMAGE SPURIOUS REJECTION	> 75dBm
BORDER UPON CHANNEL REJECTION	> 90dB
POWER REQUIREMENTS	AC 220 240 V for AC Adapter
ANTENNA	Detachable through BNC Conector



MICROPHONI	E Specifications
TRANSMITTER POWER	30mW
AUDIO OUTPUT LEVEL	0-300mv
AUDIO FREQUENCY RESPONSE	50-15KHz(+/-3dB)
SIGNAL/NOISE RATIO	>90dB
DYNAMIC RANGE	>100dB
POWER REQUIREMENT	1.5v x 2 Dry Battery

PVD - 57L



PVD - 57H



Specification •

RECEIVER				
Model	PVD - 57H / PVD - 57L			
Frequency Stability	±0.005 %			
Modulation Mode	VHF			
Maximum Deviation Range	±30 KHz			
Audio Frequency Response	50-15000 Hz			
S/N Ratio	>85dB			
Audio Dynamic Range	>= 80 dB			
T.H.D.	<=0.2%			
Power Requirement Receiver	AC: 220-240V for AC Adaptor			
Power Requirement Mike	9 V Dry Battery (Hand) / 9 V Dry Battery (Lapel)			

Features •

- VHF 220-270 Mhz band to avert interfering frequency.
- Multilevel high frequency and mid Frequency narrowband filter.
- It has quartz crystal oscillating circuit which makes the frequency steady.
- With audio compressing expanding technology, the machine can lower noises and increase the dynamic range. It can also lower reecho.
- Longest distance in open : 30 Feet.
- It is suitable for stages, ballrooms, auditoria, classroom and families.

P.A. WIRELESS MICROPHONES

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

MV - 60H



Features •

- Elegant and high performance Dual channel VHF wireless microphone.
- VHF 174-270 Mhz band to avert interfering frequency.
- MV-60H features a 2 VHF high band Hand Microphone
- MV-60L features 1 tie-clip Microphone with a VHF high band body-pack transmitter and 1 VHF high band Hand Microphone.
- Multilevel high frequency and mid Frequency narrowband filter, so as to dispel any possible.
- It has quartz crystal oscillating circuit which makes the frequency steady.
- Transmitter has an on ON/MUTE/OFF switch and a LED for ON indication.
- Power ON/OFF switch and output volume control on the front panel and 1/4" (6.3mm) phone jack for audio output on the rear panel of the receiver.
- With audio compressing expanding technology, the machine can lower noises and increase the dynamic range. It can also lower reecho.
- Longest distance in open: 90 Feet.
- It is suitable for stages, ballrooms, auditoria, classroom and Place of Worship etc.

MV - 60L



Specification •

	RECEIVER
Model	MV - 60H / MV - 60L
Frequency Stability	±0.005 %
Modulation Mode	VHF Frequency Modulated
Maximum Deviation Range	±30 KHz
Audio Frequency Response	42-20000 Hz
S/N Ratio	>85dB
Audio Dynamic Range	>= 80 dB
T.H.D.	<=0.2%
Operating Temperature	-10C~50C
Power Requirements	AC 220 240 V for AC Adapter / DC 12~18 V

	Tie Mike Transmitter	Hand Mike Transmitter
Transmitter Power	30mW	30mW
Microphone Element	Condensor	Dynamic
Audio Output Level	0-300mv	0-300mv
Power Requirement	9V Dry Battery	1.5 V x 2 Dry Battery
Spurious Emission	<40 dB	<40 dB
Current Drain	<100mA	<100mA

Head Mike Accessory

HPM - 100



Sleek, elegant & reliable Headband microphone. It can be worn around the head and the microphone positioned close to the lips. This allows the speaker to have his hands free and prevents background room noises from being freely picked up the microphone.

HPM - 75





P.A. MICROPHONES

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DM - 868

DM868 is a RETRO STYLE MICROPHONE. A specially designed internal shock mount minimizes the rumble caused by microphone handling or stand vibration during the performance. The microphone is supplied with a rugged stand adaptor (5/8" thread), reed switch and carrying case. This dynamic, nostalgic microphone is perfect for performers, who want the look and feel of the 50's and 60's. The microphone features a smooth, wide frequency response, and a neodymium magnet for added impact in live vocal performances.



Highly sensitive microphone suitable for PA applications, Stage & Auditoriums, Stadia, Seminar Halls etc Supplied with quick detachable holder and 6 mtrs 2 core shielded low noise cable.

HM - 780

Excellent intelligibility & wide frequency response. Attractive appearance. Ideal for live vocal and music application. Supplied with quick detachable holder and 6 mtrs 2 core shielded low noise cable.

HM - 580

Upper mid range presence peak for intelligible sound and ideal for close to lip singing. Supplied with quick detachable holder and 6 mtrs 2 core shielded low noise cable.

HM - 293

All purpose PA microphone reproducing intelligible, crisp and a bright sound. Suitable for multi-purpose PA installations. Supplied with quick detachable holder and 6 meters shielded low noise cable.

98 - XLR

Excellent intelligibility & wide frequency response. Attractive appearance. Supplied with quick detachable holder and 6 mtrs 2 core shielded low noise cable.

Specification •

DM - 868	1000 - XLR	HM - 780	HM - 580	HM - 293	98 - XLR
50-18000 Hz	50-16000 Hz	50-16000Hz	50-16000Hz	50-16000Hz	50-15000Hz
Cardioid	Unidirectional	Unidirectional	Unidirectional	Unidirectional	Unidirectional
2.1 mV/Pa	1.6 mV/Pa	2.0mV/Pa	2.0mV/Pa	2.0mV/Pa	2.5mV/Pa
200 ohms	250 ohms	300 ohms	300 ohms	300 ohms	600 ohms
Zinc Die Cast	Zinc Die Cast	Metallic	Metallic	Metallic	Metallic
Dynamic	Dynamic	Dynamic	Dynamic	Dynamic	Dynamic
3 Pin XLR	3 Pin XLR	3 Pin XLR	3 Pin XLR	3 Pin XLR	3 Pin XLR
	50-18000 Hz Cardioid 2.1 mV/Pa 200 ohms Zinc Die Cast Dynamic	50-18000 Hz 50-16000 Hz Cardioid Unidirectional 2.1 mV/Pa 1.6 mV/Pa 200 ohms 250 ohms Zinc Die Cast Zinc Die Cast Dynamic Dynamic	50-18000 Hz 50-16000 Hz 50-16000Hz Cardioid Unidirectional Unidirectional 2.1 mV/Pa 1.6 mV/Pa 2.0mV/Pa 200 ohms 250 ohms 300 ohms Zinc Die Cast Zinc Die Cast Metallic Dynamic Dynamic Dynamic	50-18000 Hz 50-16000 Hz 50-16000 Hz 50-16000 Hz Cardioid Unidirectional Unidirectional Unidirectional 2.1 mV/Pa 1.6 mV/Pa 2.0mV/Pa 2.0mV/Pa 200 ohms 250 ohms 300 ohms 300 ohms Zinc Die Cast Zinc Die Cast Metallic Metallic Dynamic Dynamic Dynamic Dynamic	50-18000 Hz 50-16000 Hz 50-16000Hz 50-16000Hz 50-16000Hz 50-16000Hz 50-16000Hz 50-16000Hz Condicident Unidirectional Unidirectional Unidirectional Unidirectional Unidirectional Unidirectional 2.0mV/Pa 2.0mV/Pa 2.0mV/Pa 2.0mV/Pa 2.0mV/Pa 2.0mV/Pa 2.0mV/Pa 300 ohms 300 ohms 300 ohms 300 ohms 300 ohms 300 ohms Metallic Metallic Metallic Dynamic Dynamic



PT - 400

Handheld microphone designed for close talking applications and is ideal for short announcements. Provided with press to talk switch on the side. Rugged construction with ABS resin finished with black color. Easy to handle with excellent speech reproduction. Connected with coil cord PVC lead with P - 38 plug at the end which is compatible for all pa systems. Provided with metal clamp to hang it safely. Ideal for police, ambulances, fire brigades, megaphones.



100 - XLR

Rugged and Reliable PA Microphone. Ideal for Addressing audience or for amateur artists. Supplied with quick detachable holder and 6 mtrs 2 core shielded low noise cable.



HM - 673

For general PA applications, a robust and reliable microphone. Supplied with quick detachable holder and 4.5 mtrs shielded cable.



99 - XLR

A Basic Microphone for Karaoke and PA Application. Supplied with $4.5\,\mathrm{Mtrs}$ shielded cable.



TM - 93 (TIE PIN MIKE)

Miniature omnidirectional electret condenser lavalier type microphone with wide angle pick-up. A strong, fixed tie-clip prevents the microphone from being displaced accidentally. The cell container with On/Off Switch is provided to accommodate a single pencil cell. The cable length is 10 mtrs. Ideal for lectures, interviews, religious places, recordings etc. Power Supply: DC 1.5 V (UM-3 Battery X 1)

Specification

Model	PT - 400	100 - XLR	HM - 673	99 - XLR	Camera Mike	TM - 93
Frequency Response	200-6000 Hz	50-15000Hz	50-15000Hz	50-15000Hz	100-16000Hz	100-15000Hz
Directivity	Unidirectional	Unidirectional	Unidirectional	Unidirectional	Omnidirectional	Omnidirectional
Sensitivity	2.3 mV/Pa	2.5mV/Pa	2.0mV/Pa	2.5mV/Pa	4.0mV/Pa	5.0mV/Pa
Impedance Type	500 ohms	600 ohms	600 ohms	600 ohms	1 K ohms	1 K ohms
Housing	Plastic	Metallic	Metallic	Metallic	Metallic	
Tran. Principle	Dynamic	Dynamic	Dynamic	Dynamic	Condenser	Condenser
Connector	P - 38 with Coil Cord	3 Pin XLR	3 Pin XLR	3 Pin XLR	3 Pin XLR	

Recognised Export House of India

P.A. MICROPHONES

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

DM - 207



GM - 611



GM - 422



Features •

- Stylish table top unidirectional dynamic microphone on a flexible sleek gooseneck mounted with on / off switch.
- Mounted directly on stand.
- High gain, low noise, dynamic element.
- Inbuilt XLR socket for connecting mike cable.
- Supplied with mike cable to connect it with amplifier.
- 6 mtr mike cable included for connecting with the amplifier.
- Ideal for installations in podium, speech, conferences, discussion rooms, receptions, calling systems etc.

Features •

- Stylish table top unidirectional condenser microphone on a flexible sleek 16 inch gooseneck mounted on stylish, attractive ABS resin
- Stable ABS resin base with rubber feet at the base which ensures stability on any flat surface.
- High gain, low noise, dynamic element.
- Provided with led indicator to identify the operation of unit.
- Provided with push button ON / OFF switch.
- Supplied with foam windshield which helps in reducing breathe noise and pop noise.
- 6 mtrs. mike cable included for connecting with the amplifier.
- Ideal for installations in podium, speech, conferences, discussion rooms, receptions, calling systems etc.

Features •

- Stylish table top unidirectional condenser microphone on a flexible sleek gooseneck mounted on stylish, attractive ABS resin base.
- Gooseneck microphone is detachable from the base.
- High gain, low noise, dynamic element.
- Provided with led indicator to identify the operation of
- Provided with push button ON / OFF switch.
- Supplied with foam windshield which helps in reducing breathe noise and pop noise.
- 6 mtrs. mike cable included for connecting with the amplifier.
- Ideal for installations in podium, speech, conferences, discussion rooms, receptions, calling systems etc.

Specification •

Model	DM -207	GM - 611	GM - 422
Туре	Dynamic	Electret Condenser	Electret Condenser
Direction	Unidirectional	Cardioid	Cardioid
Frequency Response	50-15000 Hz	50 - 17 KHz	50 - 17 KHz
Gooseneck Length	178 mm (7")	363 mm (14.3")	558 mm (22")
Overall Length	419 mm (16.5")	483 mm (19")	685 mm (27")
Sensitivity	2.2 mV/Pa	4 mV/Pa	4 mV/Pa
Impedance	500 Ohms	1 K Ohms	2.2 K Ohms
Power		3 V DC	3 V DC

ECONOMY SERIES MICROPHONES

MPM - 112

shielded cable.



Specification •

Model	MPM - 112
Frequency Response	60-14000 Hz
Directivity	Unidirectional
Sensitivity	2.0 mV/Pa
Impedance Type	630 ohms
Housing	Plastic
Tran. Principle	Dynamic
Connector	3 Pin XLR



- P.A. Horn & Driver Units
- Low Impedance P.A. Unit Horn Combination
- Line Matching P.A. Unit Horn Combination
- P.A. Garden Speakers, Projection & Ceiling Speakers
- P.A. Ceiling Speakers
- P.A. Wall Speakers

- P.A. Column Speakers
- P.A. Sound Columns
- P.A. Subwoofer Systems
- P.A. Speakers
- P.A. Microphone & Speaker Stands

Mega

P.A. HORN & DRIVER UNITS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

REFLEX HORNS



- ► RH-21 53 cm. 18 SWG (\21 Inches)
- ► RH-18 45 cm. 18 SWG (©18 Inches)

Made of:

TRUMPET HORNS

- ← Horn Flare :- Aluminum, Dark Gray, Powder Coating.
- Reflector Horn :- Aluminum, Dark Gray, Powder Coating.
- Flange :- Aluminum, Dark Gray, Powder Coating.
- U Bracket :- M. S., Dark Gary, Powder Coating.
- Screws and Bolts :- M. S.

► T-24 58 cm. 18 SWG (\23 Inches)

T-20 53 cm. 18 SWG (♥21 Inches)

Features •

- Rugged horn made of aluminum for optimum strength and low weight.
- Covered with PVC ring on the flare to protect against impact damage.
- Provided with sturdy adjustable 'U' bracket allowing the loudspeaker to be accurately directed.
- Excellent speech reproduction and sound distribution for a wide scope of outdoor installations.
- Ideal for all Mega Driver Units for an efficient, powerful and clear sound.
- All sizes of horns can be installed with any Mega Driver Units.

DRIVER UNITS

HM - 30

HM - 40

HM - 65

HM - 100

HM - 55 T with LMT











Features •

- ► FLANGE► REAR COVER
- ALUMINUM, GRAY, POWDER COATINGALUMINUM, GRAY, POWDER COATING
- CONNECTION : M. S. TERMINALS AT FLANGE, BRASS

Specification •

Model	Continuous Power	Music Power	Impedance	Frequency Response	Coupling	Weight Kg. (approx.)
HM - 30	30 WATTS	45 WATTS	16 OHMS	160-7000 Hz	1-3/8" X 18 Tpi	1.300
HM - 40	40 WATTS	60 WATTS	16 OHMS	160-7000 Hz	1-3/8" X 18 Tpi	1.400
HM - 65	65 WATTS	100 WATTS	16 OHMS	160-7000 Hz	1-3/8" X 18 Tpi	2.000
HM - 100	100 WATTS	120 WATTS	16 OHMS	160-7000 Hz	1-3/8" X 18 Tpi	2.200
HM - 55 T	40 WATTS	55 WATTS	100V LINE 5,10,20,30,40,55W	160-7000 Hz	1-3/8" X 18 Tpi	2.300

DIAPHRAGMS



Paper Coil Diaphragms:

- Reinforced phenolic diaphragms with a precision-wound voice coil on paper bobbin.
- Available in round dome.



Aluminum Foil Diaphragms:

- Reinforced phenolic diaphragms with a precision-wound voice coil on aluminum foil bobbin.
- Best for heat dissipation which makes the diaphragm safe.
- Available in round dome.

LOW IMPEDANCE P.A. UNIT HORN COMBINATION

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

IM - 40 40 Watts



Features

- Horn Flare
 Reflector Horn
 Aluminum, Grey, Powder Coated
 Powder Coated
- Rear Cover : ABS Resin, Grey
- 'U' Bracket : C.R.C., Grey, Powder Coating
- Screws and Bolts : M.S.Speaker Cable : P.V.C. Cable

IM - 80 60 Watts



Features

- Horn Flare
 Reflector Horn
 Rear Cover
 ABS Resin, Light Grey
 ABS Resin, Light Grey
 ABS Resin, Dark Grey
- 'U' Bracket : C.R.C., Dark Grey, Powder Coating
- Screws and Bolts: M.S.Speaker Cable : P.V.C. Cable

P-110 40 Watts



Features

- Horn FlareReflector HornABS Resin, Light GreyABS Resin, Light Grey
- Rear Cover'U' Bracket'Aluminum, Light Grey, Powder CoatingC.R.C., Light Grey, Powder Coating
- Screws and Bolts: M.S.Speaker Cable : P.V.C. Cable

UHC - 15 25 Watts



Features •

- Horn Flare
 Reflector Horn
 Rear Cover
 ABS Resin, Light Grey
 ABS Resin, Light Grey
 ABS Resin, Dark Grey
- 'U' Bracket : C.R.C., Dark Grey, Powder Coating
- Screws And Bolts : M.S.Speaker Cable : P.V.C. Cable

UHC - 25 40 Watts



Features

- Horn Flare : Aluminum, Light Grey, Powder Coating
- Reflector Horn
 Rear Cover
 'U' Bracket
 ABS Resin, Dark Grey
 ABS Resin, Dark Grey
 C.R.C., Dark Grey, Pow
- 'U' Bracket
 Screws And Bolts
 Speaker Cable
 C.R.C., Dark Grey, Powder Coating
 M.S.

UHC - 30 45 Watts



Features •

- Horn Flare
 Reflector Horn
 Rear Cover
 ABS Resin, Light Grey
 ABS Resin, Dark Grey
 ABS Resin, Dark Grey
- 'U' Bracket : C.R.C., Dark Grey, Powder Coating
- Screws And Bolts : M.S.Speaker Cable : P.V.C. Cable

PUH - 60 60 Watts



Features •

- Horn Flare
 Reflector Horn
 Rear Cover
 ABS Resin, Light Grey
 ABS Resin, Dark Grey
 ABS Resin, Dark Grey
- 'U' Bracket : C.R.C., Dark Grey, Powder Coating
- Screws And Bolts : M.S.Speaker Cable : P.V.C. Cable

Model	IM - 40	IM - 80	P - 110	UHC - 15	UHC - 25	UHC - 30	PUH - 60
Input Power	25W (RMS)	40 W (RMS)	25W (RMS)	15 W (RMS)	25 W (RMS)	30 W (RMS)	40 W (RMS)
	40 W (MAX)	60 W (MAX)	40 W (MAX)	25 W (MAX)	40 W (MAX)	45 W (MAX)	60 W (MAX)
Impedance	8 Ohms	8 OHMS	8 OHMS	8 OHMS	8 OHMS	8 OHMS	8 OHMS
Frequency Response	275-7000 Hz	180-7000 Hz	250 - 10000 Hz	275-7000 Hz	250-10000 Hz	240-10000 Hz	250-10000 Hz
Type	ALUMINUM	ABS PLASTIC	ABS PLASTIC	ABS PLASTIC	ALUMINUM	ABS PLASTIC	ABS PLASTIC
Size (mm)	165L x 165W X 155H	255L x 220W x 162H	215L x 280W x 166H	205 Ø (275 L)	275 Ø (307 L)	315 Ø (320 L)	310L X 300W X 195H
Spl At 1 Khz.	106 dB	112 dB	108 dB	106 dB	108 dB	108 dB	112.5 dB
Weight Kg. (approx.)	1.220	1.380	1.500	1.370	1.850	2.000	2.080

LINE MATCHING P.A. UNIT HORN COMBINATION

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

UHC - 15XT



Features

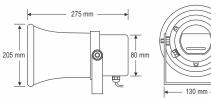
► Horn Flare : ABS Resin, Light Grey : ABS Resin, Light Grey Reflector Horn

Rear Cover : ABS Resin, Dark Grey

'U' Bracket : C.R.C., Dark Grey, Powder Coating

Screws And Bolts : M.S.

: P.V.C. Cable Speaker Cable





Features •

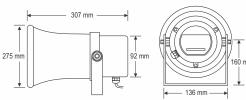
Horn Flare : Aluminum, Light Grey, Powder Coating

- Reflector Horn : ABS Resin, Dark Grey Rear Cover ABS Resin, Dark Grey

'U' Bracket C.R.C., Dark Grey, Powder Coating

Screws And Bolts : M.S.

P.V.C. Cable Speaker Cable



UHC - 30XT

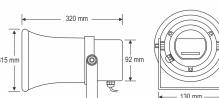


Features

Horn Flare : ABS Resin, Light Grey : ABS Resin, Dark Grey Reflector Horn Rear Cover ABS Resin, Dark Grey

'U' Bracket C.R.C., Dark Grey, Powder Coating

Screws And Bolts : M.S. Speaker Cable : P.V.C. Cable



PUH - 60XT

with Tappable 100V Line

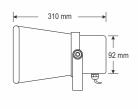


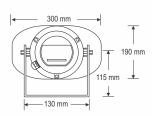
Features •

: ABS Resin, Light Grey Horn Flare ABS Resin, Dark Grey Reflector Horn Rear Cover ABS Resin, Dark Grey

'U' Bracket C.R.C., Dark Grey, Powder Coating

Screws And Bolts : M.S. : P.V.C. Cable Speaker Cable





Specification •

Model	PUH - 60 XT	UHC - 15 XT	UHC - 25 XT	UHC - 30 XT
Input Power	40 W (RMS) 60 W (MAX)	15 W (RMS) 25 W (MAX)	25 W (RMS) 40 W (MAX)	30 W (RMS) 45 W (MAX)
Taps	5W, 10W, 15W, 20W, 30W, 40W	2.5W, 5W, 7.5W, 10W, 12.5W, 15W	2.5W, 5W, 10W, 15W, 20W, 25W	5W, 10W, 15W, 20W, 25W, 30W
Impedance	100 V LINE	100 V LINE	100 V LINE	100 V LINE
Frequency Response	180-7000 Hz	275-7000 Hz	250-10000 Hz	240-10000 Hz
Type	ABS PLASTIC	ABS PLASTIC	ALUMINUM	ABS PLASTIC
Size (mm)	310L X 300W X 185H	205 Ø (275 L)	275 Ø (307 L)	315 Ø (320 L)
Spl At 1 Khz.	112.5 dB	106 dB	108 dB	108 dB
Weight Kg. (approx.)	2.380	1.700	2.200	2.350

These models have been provided with 100V line Matching Transformer with multiple taps easily selectable by changing the rotary switch at the rear of the sealed assembly.

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

MFS - 30

(Fire Proof)

High quality fire dome ceiling speaker with an aesthetically designed metal frame and a protective metal dome.



- Fire-proof ceiling speaker for voice evacuation system In-ceiling design.
- Ceramic connector, thermal fuse, fire-resistant cable and fire dome.
- All metal material includes enclosure, grille and fire dome.
- 5" full range fire-resistant finish paper cone speaker.
- Spring clip mounting with back cover.



Power Taps @100V	0.38W, 0.75W, 1.5W, 3W, 6W
Power Taps @70V	0.19W , 0.38W, 0.75W, 1.5W, 3W,
Impedance	Com/1.7KΩ/3.3KΩ/6.7KΩ/13KΩ/26KΩ
SPL(1W/1M)	92dB
Max. SPL	100dB
(Rated W/1M)	
Frequency Response (-10dB)	130-15KHz
Finish	Baffle: Steel, White
	Grille: Steel, White Cover: Steel, Red
Speaker Driver	5" ×1
Cutout Size	157mm
Weight Kg. (approx.)	1.200

Garden Speaker with LED

Features (

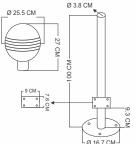
- Embedded with 15 cm cone speaker.
- Provided with LED's to give a light effect all around.
- Connector provided to connect speaker ball and stand.
- Flexibility to switch on the light and speaker simultaneously or separately as separate connectors are provided for light and speaker in the connector box at the bottom.
- Heavy base at the bottom keeps the speaker stable.
- Security level of the ball is maintained by placing the screw at the neck of the ball.

APPLICATIONS:

- PUBLIC OR PRIVATE GARDENS
- OPEN PARKINGS DRIVE WAYS

FARM HOUSES

- WALKING TRACKS PARTY LAWNS





P - 310



Features •

- Two 12.7CM Dynamic cone speakers fitted at both the ends of the unit suitable for both speech and music.
- Fitted with adjustable U bracket for easy installation.
- Weather resistant Metallic housing and speakers with water resistant cone
- 100V Power Taps

CSQ - 25 T

Dim. mm H:190

W:190 D: 85

ABS plastic grille with metal punched net.



CS - 1025T

Dim. mm H : 190

W:190

D: 75

ABS plastic grille with metal punched net.



Features •

- Unique square shaped Ceiling Speaker
- Flush mount 12 cm dynamic cone speaker
- Easy to install with spring catch mount
- Connector with screw for hooking up the wires tightly
- Three wires on the line matching transformer provides selection of nominal full power, half power or quarter power radiation
- The white color grille has been selected to be obtrusive in virtually all interiors

Model	Garden Speaker	P - 310	CSQ - 25 T	CS - 1025T
Music Power	30 W	20 W	10 W	10 W
Impedance	100 V LINE	100V	100 V LINE	100 V LINE
Tappings			1.5W 3W 6W	1.5W 3W 6W
Dynamic Cone Speaker	1 X 6"	2 X 5"	1 X 4.5"	1 X 6"
Freq. Resp.	150-10000 Hz	160-15KHz	60-15000 Hz	60-15000 Hz
Spl @ (1w/1m)	92 dB	95dB	92 dB	92 dB
Weight Kg. (approx.)	5.000	1.800	0.850	0.700



P. A. CEILING SPEAKERS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

Flush Mount Type Ceiling Speakers













Features •

- Flush mount 15cm dynamic cone speaker.
- Easy to install with spring catch mount.
- Connectors with screw for hooking up the wires tightly.
- ► 100V power taps.
- Protective dust cover at rear.
- A circular template for marking a hole is accompanied with the speaker.
- A 100 V line matching transformer is mounted behind the front panel assembly and the moulded plastic panel is mounted on the metal frame.
- Three wires on the line matching transformer provides selection of nominal full power, half power or quarter power radiation.
 Installation is quick and easy as the units have two built in spring loaded locking clamps that secure them into holes in the ceiling.
- The white color of the grille has been selected to be obtrusive in virtually all interiors.

Model	CS - 20 T	CS - 40 T	CS - 1032 T	CS - 1040 T
Music Power	10 W	10 W	10 W	10 W
Impedance	100 V LINE	100 V LINE	100 V LINE	100 V LINE
Tappings	1.5W 3W 6W	1.5W 3W 6W	1.5W 3W 6W	1.5W 3W 6W
Dynamic Cone Speaker	1 X 6"	1 X 6"	1 X 6"	1 X 6"
Freq. Resp.	60-15000 Hz	60-15000 Hz	60-15000 Hz	60-15000 Hz
Spl @ (1w/1m)	92 dB	92 dB	92 dB	92 dB
Weight Kg. (approx.)	1.000	1.000	0.700	0.700

Flush Mount Type Ceiling Speakers

CS - 450 T



ABS plastic grille finished in matt white

CS - 500 T

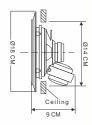


ABS plastic grille with metal punched net.

CS - 550 T



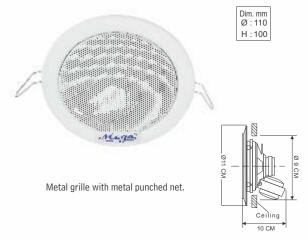
ABS plastic grille with metal punched net.



Features •

- Protective dust cover at rear.
- A circular template for marking a hole is accompanied with the speaker.
- A 100 V line matching transformer is mounted behind the front panel assembly and the moulded plastic panel is mounted on the metal frame. $% \label{eq:problem} % \label{eq:problem}$
- Installation is quick and easy as the units have two built in spring loaded locking clamps that secure them into holes in the ceiling.

CS - 300 T



Features •

- Ultra compact ceiling speaker.
- ullet A 100 V line matching transformer is mounted behind the front panel .
- Mounted on the metal frame.
- Installation is quick and easy as the units have two built in spring loaded locking clamps that secure them into holes in the ceiling.

WCS - 1050 T



Features •

- Wall mounted with 12.5 cm cone speaker for announcement and paging.
- Attractive, stylish ABS white plastic box.
- The specially designed slim speaker is obtrusive in all interiors.
- Equipped with the transformer to provide 100v line.
- Ideal for office cabin, work stations, classrooms, shops, malls etc.

Model	CS - 450 T	CS - 500 T	CS - 550 T	CS - 300 T	WCS - 1050 T
Music Power	10 W				
Impedance	100 V LINE				
Tappings	1.5W 3W 6W				
Dynamic Cone Speaker	1 X 4.5"	1 X 4.5"	1 X 4.5"	1 X 3"	1 X 4.5"
Freq. Resp.	60-15000 Hz				
Spl @ (1w/1m)	92 dB				
Weight Kg. (approx.)	0.700	0.700	0.700	0.580	0.700

P.A. WALL SPEAKERS

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

P - 111 T



Dim. mm H:250 W:260 D:113

P - 570 T



Dim. mm H:180 W:140 D:70

Features •

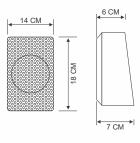
- Wall mounted with 15 cm cone speaker for announcement and paging.
- Attractive, stylish ABS white plastic box.
- Cost effective high power PA box.
- The specially designed sculptured edge offer both style and protection.
- Equipped with the transformer to provide tappable 100V line.

 Provision to connect with 100V line and 4 ohms.
- Optional Volume control.

Features •

- Wall mounted with 12.5 cm cone speaker for announcement and paging.
- Attractive, stylish ABS white plastic box.The specially designed slim speaker is
- obtrusive in all interiors.

 Equipped with the transformer to provide 100v line.
- Ideal for office cabin, work stations, classrooms, shops, malls etc.
- Optional Volume control.



Specification •

opcomo									
Model	Music Power	Impedance	Tappings	Dynamic Cone Speaker	Freq. Resp.	Spl @ (1w/1m)	Weight Kg. (approx.)	Rear Board	
P-111 T	20 W	100 V LINE/4 ohms	2.5W 5W 10W	1 X 6"	100-15000 Hz	92 dB	1.850	PARTICLE BOARD	
P - 570 T	10 W	100 V LINE	1.5W 3W 6W	1 X 4.5"	60-15000 Hz	90 dB	0.670		

PS - 502T

Features •

- High fidelity 2-Way, 100V multi purpose PA speaker system.
- Movable U type bracket mounting for convenient wall mounting of the speaker
- Ideal for background music and general PA application
- Attractive, stylish ABS white plastic body
- Cost Effective high power PA box
- Provision to connect with 100 V line

_			_
D	im	. m	m
H	1:	25	52
V	۷:	17	78
10) :	14	14

Input Power	30W (Max.) 20W RMS
Rated Voltage	100 V line
Power Taps	5W, 10W, 15W, 20W
Dynamic Cone Speaker	1 x 6"
Tweeter	13 mm Dome
Frequency Response	80-20000 Hz
Spl (1w/1m)	87 dB
Weight Kg. (Approx)	2.500



MVC - 1030

Volume Controls



30 W (for 100V Line)

Dim. mm H: 90 W: 95 D: 55

Features •

Compatible with All wall and ceiling speakers which have 100V line matching transformer, it enables the user to conveniently adjust the volume of speakers or group of speakers connected to it.

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

DWS - 18T



18 Watts

CWS - 12T



9 Watts

WS - 9T



9 Watts

WS - 36T





36 Watts

- High quality MDF Board Structure for Better Background Score.
- Simple, Tasteful design harmonizes well and virtually any building interior.
- Angled Front Baffle Design.
- Push terminals to allow selection of power.
 Quick and simple Installation with mounting brackets.
- Excellent frequency response.
- High sound pressure level.
- Wide opening angle.
- In-built 100V line matching transformer.

Model	DWS - 18T	CWS - 12T	WS - 9T	WS - 18T	WS - 36T
Music Power	18W (Max) 12W RMS	9W (Max) 6W RMS	9W (Max) 6W RMS	18W (Max) 12W RMS	36W (Max) 24W RMS
Impedance	100V Line	100V Line	100V Line	100V Line	100V Line
Tapping	3W, 6W, 12W	1.5W, 3W, 6W	1.5W, 3W, 6W	3W, 6W, 12W	6W, 12W, 24W
Dimension	226x130x197mm	227x130x115mm	227x130x115mm	428x130x115mm	829x130x115mm
Weight Kg. (approx.)	1.700	1.100	1.200	2.300	4.500



P. A. COLUMN SPEAKER

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company

Features (

- High quality, low cost, slimline, rugged loudspeaker made of weather proof metal.
 Simple, Tasteful design harmonizes well and virtually any building interior, making them a perfect choice for use in gathering places like religious facilities, school auditoriums and other public places.

MCS - 10



MCS - 20

Aluminum Sheet <u>Finished</u>



MCS - 30

Aluminum Sheet <u>Finished</u>



SCM - 30 XT





C.R.C. SHEET finished with Light ash grey

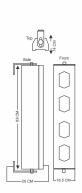
Features •

- High quality, low cost, slimline, rugged loudspeaker made of weather proof metal.
- Simple, Tasteful design harmonizes well and virtually any building interior, making them a perfect choice for use in gathering places like religious facilities, school auditoriums and other public places.
- Easy to set-up and install either vertically or horizontally to change the speaker coverage area by using supplied mounting brackets.

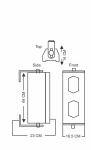
D - 904 T

Available in grey or white colour.

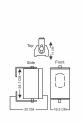
D - 905 T











Column speaker directivity



APPLICATIONS:

- ← Ideal for places of worship ← Auditoriums ← Railway Platforms Bus Terminals Airports Shopping Malls Schools Markets Factories
- Unique and handsome design blends in modern buildings and other facilities, such as boutique restaurants and amusement park. $\buildrel {\cite{continuous}}$ Can be used outdoors unless exposed directly to the rain • Easy to set-up and install either vertically or horizontally to change the speaker coverage area by using supplied mounting brackets • Other public places Other public places.

Specification •						
Model	MCS-10	MCS-20	MCS-30	SCM - 30 XT	D - 905 T	D - 904 T
Music Power	10W (Max.) 6W RMS	20W (Max.) 12W RMS	30W (Max.) 18W RMS	30W (Max) 20W RMS	20W (Max) 10W RMS	10W (Max) 7W RMS
Impedance	100V Line	100V Line	100V Line	100V Line 16 Ohms	100V Line 8 Ohms	100V Line 4 Ohms
Tapping		3W, 6W, 12W	4.5W, 9W, 18W	10W, 15W, 20W, 30W	5W, 7.5W, 10W	100 V Line
Dynamic Cone Speaker		2 x (5" x 3")	3 x (5" x 3")	4 x (6" x 4")	2 x (6" x 4")	1 x (6" x 4")
Frequency Response	150 - 10000 Hz	150 - 15000 Hz	150 - 15000 Hz	150 - 10000 Hz	150 - 10000 Hz	150 - 10000 Hz
Spl @ (1w/1m)	90dB	90dB	92dB	95dB	92dB	90dB
Weight Kg. (approx.)	2.100	2.400	3.000	6.400	3.800	2.300



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P - 802 50 Watts



Features •

- One way speaker system fitted with two full range 200 mm speaker.
- Small and compact general purpose speaker column.
- Rugged unit made of medium density
- Reproduction of clean undistorted sound suitable for both speech and

P - 112T 100 Watts



- Compact 2-Way Floor Monitor speaker system comprising of a single 12" Full Range Dual Cone Speaker and a Piezo Horn Tweeter.
- An optimally angled enclosure for effective floor monitoring in various indoor & outdoor applications.
- P 112T uses one MS 1235 Speakers.

P - 120T 100 Watts



Features (

- Superior quality speaker system delivers a good combination of bass and treble.
- Rugged unit made of 18 mm board covered with black carpet.
- Ability to handle 100 watts continuous power with clean undistorted sound.
- Ideal for both speech and music.
 Suitable for the installation on the floor with the protection provided at the base in the form of gromets.
- A stand adapter is provided at the bottom for pole mounting.
- P 120T uses one MS 1235 Speakers.

P - 200T 200 Watts



Features (

- Professional 2-Way PA Speaker System to provide superb LF Response, High Efficiency and Long Throw with Excellent Sound Intelligibility.

- Ability to handle 200 watts continuous power with clean undistorted sound. Ideal for both speech and music.

 Suitable for the installation on the floor with the protection provided at the base in the form of gromets.
 A stand adapter is provided at the bottom for pole mounting.
- P 200T uses one MS 1255 Speakers.

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Model	P - 802	P - 112T	P - 120T	P - 200T	
Input Power	50 W	100 W	100 W	200 W	
Configuration	One Way	Two Way	Two Way	Two Way	
Low Freq. Speaker	2 X 8" (90mm Magnet 1" VC)	1 X 12" (MS-1235)	1 X 12" (MS-1235)	1 X 12" (MS-1255)	
High Freq. Unit		Piezo HF	Piezo HF	Piezo HF	
Impedance	16 Ohms	8 Ohms	8 Ohms	8 Ohms	
Port	Sealed Enclosure	Free Flow Flared	Free Flow Flared	Free Flow Flared	
Input Connectors	1/4" Input Jack + Terminal Strip				
Freq. Response	55 Hz - 20 KHz	50 Hz - 20 KHz	50 Hz - 20 KHz	50 Hz - 20 KHz	
Dim. (W X D X H)	300 x 225 x 630 mm	410 x 615 x 305 mm	415 x 305 x 630 mm	415 x 430 x 634 mm	

Mega

P.A. SOUND COLUMNS

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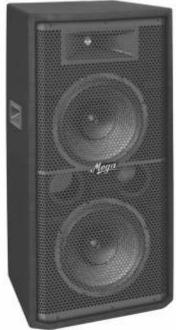
P - 400T 400 Watts



Features •

- High power, high efficiency professional speaker system with well-balanced widespectrum sound.
- The system combines two 12"
 Full Range Dual Cone speakers
 and a 1.5" VC 90mm magnet
 Horn Tweeter.
- A stand adapter is provided at the bottom for pole mounting.
- In-Built high quality passive crossover.
- Ideal for DJ's variety music programmes and general PA applications.
- P 400T uses two MS 1255 Speakers.

P - 212T 200 Watts



Features •

- The system combines two 12"
 Full Range Dual Cone speakers and a Neo Horn Tweeter.
- A stand adapter is provided at the bottom for pole mounting.
- It delivers the fidelity of sound and the column effect for sound coverage demanded in sound reinforcement and PA applications.
- The system is housed in a Rugged Bass Reflex Enclosure.
- P 212T uses two MS 1235 Speakers.

Specification •

Model	P - 400T	P - 212T		
Input Power	400 W	200 W		
Configuration	Two Way	Two Way		
Low Freq. Speaker	2 X 12" (MS-1255)	2 X 12" (MS-1235)		
High Freq. Unit	8" X 12" Horn with 1.5" VC 90mm HF	20 Watts Neo HF		
Impedance	4 Ohms	16 Ohms		
Port	Free Flow Flared	Free Flow Flared		
Input Connectors	1/4" Input Jack + Terminal Strip	1/4" Input Jack + Terminal Strip		
Freq. Response	50 Hz - 20 KHz	50 Hz - 20 KHz		
Dim. (W X D X H)	465 x 390 x 990 mm	420 x 360 x 938 mm		

P-1204 600 Watts



Features •

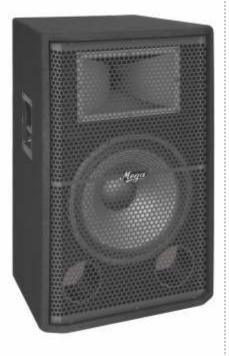
- Sturdy & rugged carpet covered bass reflex cabinet built around 4 nos high quality 12" dual cone speakers.
- Features high efficiency, high sound pressure level, & unmatched bass.
- Ideal cabinet speaker for large gatherings and for use with high power amplifiers.

Model	P - 1204
Input Power	600 W
Configuration	One Way
Speaker Type	4 X 12" (MS - 1235)
Impedance	8 Ohms
Port	Free Flow Flared
Input Connectors	Speakon Sockets
Freq. Response	50 Hz - 16 Khz
Dim. (W X D X H)	745 x 520 x 800 mm

P - 350T 350 Watts

P - 250T 250 Watts

P - 115T 250 Watts





Features •

- Professional 2 way sound columns with high efficiency and long throw for speech and music.
- Housed in a rugged bass reflex trapezoidal enclosure made of thick wooden baffle covered with carpet.
- In-Built high quality passive crossover. Trapezoidal construction ensures optimum low frequency performance and smoothness with minimum interference from standing waves and hox resonance
- Suitable for the installation on the floor with the protection provided at the base in the form of gromets
- A stand adapter is provided at the bottom for pole mounting.
- Parallel speaker can be connected with the connector provided at the back.
- Easy to handle with the handles fitted on the sides of the cabinet.
- P 350T uses one MS 1518 Speaker.

Features •

- Professional 2 way sound columns with high efficiency and long throw for speech and music.
- Housed in a rugged bass reflex trapezoidal enclosure made of thick wooden baffle covered with carpet.
- High efficiency speaker system with high level of acoustic power can be achieved without drawing excessive power from the amplifier.
- Suitable for the installation on the floor with the protection provided at the base in the form of gromets
- A stand adapter is provided at the bottom for pole mounting.
- Ideal for all PA and music applications. Parallel speaker can be connected with connector provided at the back.
- Easy to handle with the handle fitted on the sides of the cabinet.
- P 250T uses one MS 1555 Speaker.

Features

- Compact 2-Way Floor Monitor speaker system which can be mounted in three different angle.
- Housed in a rugged bass reflex trapezoidal enclosure made of thick wooden baffle covered with carpet.
- High efficiency speaker system with high level of acoustic power can be achieved without drawing excessive power from the amplifier.
- Easy to handle with the handle fitted on the sides of the cabinet.
- Stand mount adaptor is provided at the bottom.
- Ideal for all monitoring applications.
- P 115T uses one MS 1555 Speaker.

Model	P - 350T	P - 250T	P - 115T	
Input Power	Input Power 350 W		250 W	
Configuration	Configuration Two Way		Two Way	
Low Freq. Speaker	1 X 15" (MS-1518)	1 X 15" (MS-1555)	1 X 15" (MS-1555)	
High Freq. Unit	8" X 12" Horn with 1.5" VC 90mm HF	20 Watts Neo HF	20 Watts Neo HF	
Impedance 8 Ohms		8 Ohms	8 Ohms	
Port Free Flow Flared		Free Flow Flared	Free Flow Flared	
Input Connectors	Speakon Sockets	Speakon Sockets	Speakon Sockets	
Freq. Response 40 Hz - 20 KHz		40 Hz - 20 KHz	55 Hz - 20 KHz	
Dim. (W X D X H)	527 x 400 x 840 mm	535 x 400 x 755 mm	525 x 390 x 675 mm	

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P - 500T 500 Watts



Features •

- Professional 2-way speaker system with exceptional efficiency.
- It consists of two 15" high performance full range dual cone speakers and a High frequency compression driver.
- In-Built high quality passive crossover.
- The speaker system is housed in an acoustically treated Bass Reflex carpet covered enclosure.
- Fitted with heavy duty handles for ease of transportation.
- Ideal for both indoor and outdoor sound reinforcement applications.
- P 500T uses two MS 1555 Speakers.

P - 215T 800 Watts / P - 219T 1000 Watts P - 252T 1500 Watts



Features •

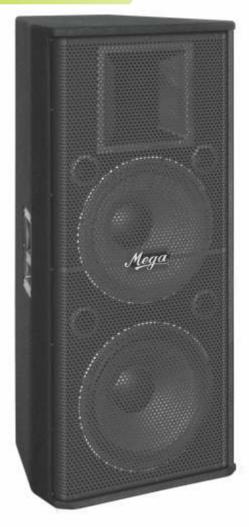
- Professional sound columns specially designed to control the high, mid, and low frequencies to its perfection.
- The high frequency timbre is clean, mid frequency is powerful and low frequency is strong.
- In-Built high quality passive crossover with electronics protection circuit.
- Housed in a rugged bass reflex trapezoidal enclosure made of thick wooden baffle covered with carpet.
- Two speaker cabinets can be connected parallel with the socket provided at the rear
- High efficiency speaker system with high level of acoustic power can be achieved without drawing excessive power from the amplifier.
- ► Fitted with heavy duty handles for ease of transportation.
- Ideal for use with high power amplifiers for large gathering.
- ► P 215T uses two MS 1518 Speakers.
- P 219T uses two MS 1590 Speakers.
- P 252T uses two MS 1520 Speakers.

Model	P - 500T	P - 215T	P - 219T	P - 252T
Input Power	500 W	800 W	1000 W	1500 W
Configuration	Two Way	Two Way	Two Way	Two Way
Low Freq. Speaker	2 X 15" (MS-1555)	2 X 15" (MS-1518)	2 X 15" (MS-1590)	2 X 15" (MS-1520)
High Freq. Unit	8" X 12" Horn with 1.5" VC 90mm HF	8" X 12" Horn with 2" VC 115mm HF	8" X 12" Horn with 2" VC 115mm HF	8" X 12" Horn with 3" VC 175mm HF
Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Port	Free Flow Flared	Free Flow Flared	Free Flow Flared	Free Flow Flared
Input Connectors	Speakon Sockets	Speakon Sockets	Speakon Sockets	Speakon Sockets
Freq. Response	50 Hz - 20 KHz	50 Hz - 20 KHz	50 Hz - 20 KHz	50 Hz - 20 KHz
Dim. (W X D X H)	535 x 510 x 1125 mm	535 x 510 x 1245 mm	535 x 510 x 1245 mm	535 x 510 x 1437 mm





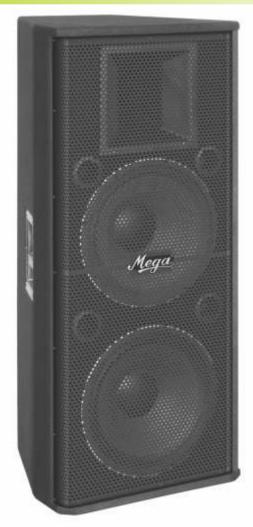
JP - 800 800 Watts



Features •

- High Quality Paint finish sound columns specially designed to control the high, mid, and low frequencies to its perfection.
- ► The high frequency timbre is clean, mid frequency is powerful and low frequency is strong.
- In-Built high quality passive crossover with electronics protection circuit.
- Housed in a rugged bass reflex trapezoidal enclosure made of thick wooden baffle covered with carpet.
- Two speaker cabinets can be connected parallel with the socket provided at
- High efficiency speaker system with high level of acoustic power can be achieved without drawing excessive power from the amplifier.
- Fitted with heavy duty handles for ease of transportation.
- It's aesthetic looks with black paint finish makes it suitable for installation on Pubs, Lounges etc.
- ► JP 800 uses two MS 1518 Speakers.

P - 215TJ 800 Watts / P - 219TJ 1000 Watts



Features •

- Professional sound columns specially designed to control the high, mid, and low frequencies to its perfection.
- ► The high frequency timbre is clean, mid frequency is powerful and low frequency is strong.
- In-Built high quality passive crossover with electronics protection circuit.
- ► Housed in a rugged bass reflex trapezoidal enclosure made of thick wooden baffle covered with carpet.
- Two speaker cabinets can be connected parallel with the socket provided at
- High efficiency speaker system with high level of acoustic power can be achieved without drawing excessive power from the amplifier.
- Fitted with heavy duty handles for ease of transportation.
- It's aesthetic looks with black paint finish makes it suitable for installation on Pubs, Lounges etc.
- P 215TJ uses two MS 1518 Speakers.
- ► P 219TJ uses two MS 1590 Speakers.

Model	JP - 800	P - 215TJ	P - 219TJ
Input Power	800 W	800 W	1000 W
Configuration	Two Way	Two Way	Two Way
Low Freq. Speaker	2 X 15" (MS-1518)	2 X 15" (MS-1518)	2 X 15" (MS-1590)
High Freq. Unit	8" X 12" Horn with 2" VC 115mm HF	8" X 12" Horn with 2" VC 115mm HF	8" X 12" Horn with 2" VC 115mm HF
Impedance	4 Ohms	4 Ohms	4 Ohms
Port	Free Flow Flared	Free Flow Flared	Free Flow Flared
Input Connectors	Speakon Sockets	Speakon Sockets	Speakon Sockets
Freq. Response	50 Hz - 20 KHz	50 Hz - 20 KHz	50 Hz - 20 KHz
Dim. (W X D X H)	520 x 480 x 1230 mm	520 x 480 x 1230 mm	520 x 480 x 1230 mm



P.A. SOUND COLUMNS

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P - 282 2000 Watts



- Rugged cabinet speaker with two extremely efficient 18" LF drivers for higher power handling capacity, deeper bass.
- Very strong carpet covered cabinet with thick wooden baffle and extensive internal bracing to prevent unwanted vibrations and rattling.
- An ideal cabinet speaker for use with high power amplifiers for reinforcement of the extended low frequency spectrum.

 P - 2812 uses two MS - 1820 Speakers.

 P - 282 uses two MS - 820 Speakers.

Specification •

opeomedien e				
Model	P - 282			
Input Power	2000 W			
Configuration	One Way			
Speaker Type	2 X 18" (MS-820)			
Impedance	4 Ohms			
Port	Free Flow Flared			
Input Connectors	Speakon Sockets			
Freq. Response	30 Hz - 250 Hz			
Dim. (W X D X H)	1045 x 765 x 610 mm			

1000 Watts P - 182



Features •

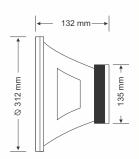
- Rugged cabinet speaker with one extremely efficient 18" LF drivers.
 Very strong carpet covered cabinet with thick wooden baffle and extensive internal bracing to prevent unwanted vibrations and rattling.
- An ideal cabinet speaker for use with high power amplifiers for reinforcement
- the extended low frequency spectrum.
 Unique T Shape design for deeper design.
 P 1812 uses one MS 1820 Speakers.

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Model	P - 182	
Input Power	1000 W	
Configuration	One Way	
Speaker Type	1 X 18" (MS-820)	
Impedance	8 Ohms	
Port	Free Flow Flared	
Input Connectors	Speakon Sockets	
Freq. Response	30 Hz - 250 Hz	
Dim. (W X D X H)	608 x 630 x 860 mm	



Features •

- Specially designed for use in medium power compact 2 way speaker system.
- Dual cone full range speaker.
- Pressed steel frame in black color.
- Corrugated cloth cone with rubberized coating at the edge for extra strength.
- 1.5 Inch CCAW Voice Coil with High temperature rating for safe and reliable operation.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- Specially designed for professional applications like live music applications and Dj's.
- Designed to install in compact enclosures either as a stand alone speaker or in combination of two speaker with a tweeter.

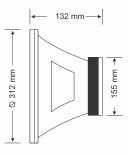


MS - 1255 400Watts



Features •

- Dual cone full range speaker.
- Sturdy Pressed metal frame in black robust construction.
- Corrugated cloth cone with rubberized coating at the edge for extra strength.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- 2 Inch CCAW Voice Coil with High temperature rating for safe and reliable operation.
- Specially designed for professional applications like live music applications and Dj's.
- Ideal for powerful bass.
- Designed to install in compact enclosures either as a stand alone speaker or in combination of two speaker with a tweeter.

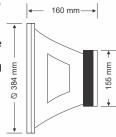


MS - 1555 400Watts



Features

- Dual cone full range speaker.
- Sturdy Pressed steel frame in black robust construction.
- Special Corrugated cloth cone with rubberized coating at the edge for extra strength.
- 2 Inch CCAW Voice Coil with High temperature rating for safe and reliable operation.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- Heavy duty terminals provided for easy connections.
- Specially designed for professional applications like live music applications and Dj's.
- Ideal for powerful bass.
- Designed to install in compact enclosures either as a stand alone speaker or in combination with a tweeter.



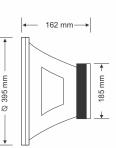
Model	MS - 1235	MS - 1255	MS - 1555
Output	100W	200W	200W
Output Max.	200W	400W	400W
Voice Coil	1.5" (CCAW Winding on Kapton)	2" (CCAW Winding on Kapton)	2" (CCAW Winding on Kapton)
Magnet Diameter	135 mm	155 mm	155 mm
Magnet Height	20 mm	20 mm	20 mm
Impedance	8 Ohms	8 Ohms	8 Ohms
Sensitivity	97dB	98dB	98dB
Input Connectors	Connection Strip	Connection Strip	Push Type Terminal

MS - 1518 700Watts



Features •

- It is a 15" High quality full range PA speaker with a very wide frequency range.
- Aluminum die cast frame in black for sturdy use.
- Very great linear excursion.
- Corrugated cloth cone with rubberized coating at the edge for extra strength.
- 3 Inch CCAW Voice Coil with High temperature rating for safe and reliable operation.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- Heavy duty terminals provided for easy connections.
- Designed to install in compact enclosures either as a stand alone speaker or in combination with a tweeter.

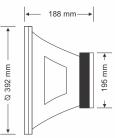


MS - 1590 900Watts



Features •

- ► It is a 15" High quality speaker with excellent low and mid frequency response.
- Aluminum die cast frame in black for sturdy use.
- Very great linear excursion.
- Corrugated cloth cone with rubberized coating at the edge for extra strength.
- 3 Inch In/Out Copper Winding Voice Coil for Higher SPL.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- Heavy duty terminals provided for easy connections.
- Designed to install in compact enclosures either as a stand alone speaker or in combination with a tweeter.

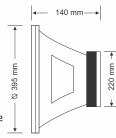


MS - 1520 1400Watts



Features •

- It is a 15" High quality speaker with powerful bass.
- Aluminum die cast frame in black for sturdy use.
- Very great linear excursion.
- Corrugated cloth cone with rubberized coating at the edge for extra strength.
- 4 Inch In/Out Copper Winding Voice Coil for Higher SPL.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- Heavy duty terminals provided for easy connections.
- Designed to install in compact enclosures either as a stand alone speaker or in combination with a tweeter.



Model	MS - 1518	MS - 1590	MS - 1520
Output	350W	450W	700W
Output Max.	700W	900W	1400W
Voice Coil	3" (CCAW Winding on Kapton)	3" (In / Out Copper Winding on Til)	4" (In / Out Copper Winding on Til)
Magnet Diameter	185 mm	190 mm	220 mm
Magnet Height	20 mm	25 mm	25 mm
Impedance	8 Ohms	8 Ohms	8 Ohms
Sensitivity	98dB	98dB	98dB
Input Connectors	Push Type Terminal	Push Type Terminal	Push Type Terminal

 $\label{eq:megaspeaker} \mbox{Mega speaker line incorporates a vast range of transducers covering the}$ entire audio spectrum. The transducers are designed to optimise the relationship between the purity of sound, combining the absence of distortion and the ability to withstand high power levels over a long period



MS - 820 2000Watts



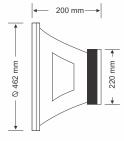
Features •

- Extremely great linear excursion, ideal for powerful bass &
- sub-woofer applications.

 Aluminum die cast frame in black for sturdy use.

 Corrugated cloth cone with rubberized coating at the edge for extra strength.

 4 Inch In/Out Copper Winding Voice Coil for Higher SPL.
- Tear resistant tetron-cloth blend rolled cloth edge.
- Gaps provided in frame to keep the voice coil cool.
- Cotton polyester blended spider.
- Heavy duty terminals provided for easy connections.
- Ideal for bass and sub-wooffer application.



Model	MS - 820
Output	1000W
Output Max.	2000W
Voice Coil	4" (In / Out Copper Winding on Til)
Magnet Diameter	220 mm
Magnet Height	25 mm
Impedance	8 Ohms
Sensitivity	98dB
Input Connectors	Push Type Terminal

P.A. MICROPHONE & SPEAKER STANDS

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Speaker Stand Big



Speaker Stand Small



- Rugged stand designed for easy installations of speakers like sound columns etc.
- Ideal for mounting a loud speaker for wide coverage of sound.
 Height can be adjusted as per requirement.
 Three legs at the base makes the unit stable.
 Finished with black powder paint for extra life.

Specification •



Table Stand DS 33	Spring Type Table Stand SS-12/15/18	Table Stand DGT	Table Stand BMS	Floor Stand DGN	Floor Stand BMS 101
-tsays.					

Specification

Model	DS 33	SS-12/15/18	DGT	Table Stand BMS	DGN	BMS 101
Height Adjustment	130 mm	12", 15", 18"	350 mm to 530 mm	350 mm to 530 mm	920 mm to 1500 mm	1000 mm to 1700 mm
Base	L120 mm X W120mm	L120 mm X W120mm	Dia 160 mm	Dia 400 mm	Dia 230 mm	Dia 650 mm
Weight	1.230 Kg. (approx.)	1.250 Kg. (approx.)	1.800 Kg. (approx.)	1.500 Kg. (approx.)	3.700 Kg. (approx.)	1.850 Kg. (approx.)

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P. A. FUNDAMENTALS



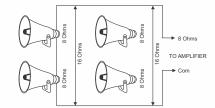
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A public address or "PA" system is an electronic amplification system with a mixer, amplifier and loudspeakers, used to reinforce a given sound, e.g., a person making a speech, prerecorded music, or message, and distributing the sound throughout a venue.

Simple PA systems are often used in small venues such as school auditoriums, churches, and small bars. PA systems with a larger number of speakers are widely used in institutional and commercial buildings, to read announcements or declare states of emergency.

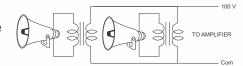
Low Impedance PA System

A combination of Horns and Column Speaker are connected together as long as correct Impedance Matching is done (as shown in the figure), and the Total Power of the Driver Units and Column Speakers is more than the Rated Power of Amplifier.



100 Volts Line Matching PA System

In a 100V line system, the amp and every individual speaker is fitted with a transformer with a high impedance primary and low impedance secondary. The primary is the 100V line side, and the secondary is connected to the speaker driver.



Why 100V line?

Let's say you've been asked to provide a PA system for a large outdoor fete. You only need it for speech and possibly low-level background music, but you need a lot of speakers to cover the area and they're all some distance apart. This would present an absolute nightmare if you wanted to use a 'standard' low impedance PA amp and speakers. For a start, the distances involved between amp and speakers are pretty large, hundreds of meters or more. Sure, you could run a low impedance system, but you'll need to compete with extremely high losses in the cables. Either you put up with stupidly large voltage drops, or you use very bulky cable. Either way, its kludgy at best and very inconvenient. That's assuming your amp is even happy with driving such long lengths of cable.

Now imagine you need 15 speakers to cover the area. How are you going to wire these and still present a suitable impedance load to the amp? You could do it by wiring in series-parallel combinations, but the wiring would soon become a rats nest, and for temporary events you want the installation to be as quick and painless as possible to set up and tear down

High impedance system passes less current down the cables than the equivalent low impedance setup. The higher voltage and lower current are a major advantage in long distance cable runs, as the power loss in the cable is proportional to its length and the square of the current flowing within it. Even if we do lose a few volts down the cables in our 100V line system it isn't too critical, the voltage loss expressed as a percentage is relatively low.

We can also add all our speakers in parallel without having to worry too much about impedance. We can daisy chain from speaker speaker, break out from a central point in a star wiring scheme, or pretty much whatever else takes your fancy as long as everything remains in parallel.

Precautions:

For a low impedance PA system, the total load impedance presented to the amplifier must never be below the rated amplifier impedance

For a 100 V Line matching PA system, the total load presented to the amplifier must not exceed the rated output of the amplifier

Never mix 100V line and low impedance speakers on the same system.

Hints and Tips

Ceiling speakers should ideally be placed using the equation distance apart is twice the (ceiling height less1.5m). ie: if the ceiling is 4m high the average distance between each ceiling speaker should not exceed 2 x (4-1.5)m — that is 5m spacing between speakers.

Mega

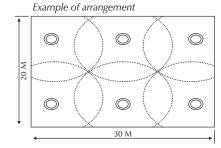
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TYPICAL CEILING SPEAKER ARRANGEMENT

For general hall use not to include background music, speakers should be arranged about 9 to 12 meters apart. Shown below is an example of speaker arrangement in a $30m \times 20m$ hall with ceiling height of 3m, which indicates that this hall requires about 6 speakers.

Area of coverage of one speaker							
Purpose	Height of ceiling	Distance between speakers	Area of coverage of one speaker				
Background music	Less than 2.5 M 2.5 - 4.5 M 4.5 - 15 M	5M 6M 9M	About 25 m ² About 36 m ² About 81 m ²				
Announcement		9 to 12M	81 to 144 m ²				



- Hall of 30M X 20M with 3M ceiling without music
- Number of Speakers necessary: 6 to 8

Dual speaker circuits can be employed where an increased safety margin is required. Alternate loudspeakers should be driven by the second amplifier so that if one amplifier or loudspeaker circuit develops a fault the system keeps working. This is an ideal 'fail safe' when the PA sound system is also being used as a fire alarm or other voice evacuation system.

Low impedance speakers such as those used for hifi and disco may be used on a 100v line PA sound system provided they are connected to the 100v line output of the amplifier using a suitable 100v line transformer which has a suitable wattage tapping.

Stereo outputs from CD players etc. can be easily converted to mono to connect to the amplifiers auxiliary input.

Hum and earth loops can occur when connecting different types of audio equipment together. Often this problem will be present when the sound system electronics are mounted in a metal 19" rack. The problem is caused when there is more than one earth path such as the mains earth, the audio lead screens, the metal cases of the equipment and the metal rack supporting the items. Care should always be taken to ensure that the earthing integrity of a metal rack is maintained.

Microphones in 100v line PA sound systems are often connected to mixers or amplifiers by long cable runs of 50m or more. To avoid electrical interference microphones should always be connected using two core screened, balanced line microphone cable. It is important to use both balanced line microphones together with mixers and amplifiers with balanced line microphone inputs. Balanced line microphones are usually connected using XLR connectors.

Connectors

There are various connectors used with the Mega range of P.A. Products

1. RCA Phono Plug

A Popular audio connector used on auxiliary inputs & booster in /out connections; also commonly used on mixers, CD & tapye players. They are wired using single core screened cable.



2. XLR Plug

This is the industry standard microphone connector; robust and relatively simple to install. There are a number of ways in which they can be wired.



Balanced Operation

Pin 1 connects to screen (Signal earth)

Pin 2 connects to signal + (Live)

Pin 3 connects to signal - (Return)

Quasi Balanced Operation

Pins 1 & 3 connects to the screen of the cable

Pin 2 connects to signal conductor.

The Pin numbers are identified on the XLR plug and an easy way to remember how they should be wired is:

X = Earth (Pin1)

L = Live (Pin 2)

R = Return (Pin 3)

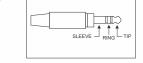
3. 6.3 mm (1/4") Phone Plug

There are two versions of this connector in common use, MONO & STEREO.

The STEREO plug is used for BALANCED operation and wired as follows:

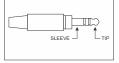
TIP - Signal + RING - Signal -

SLEEVE - Screen



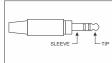
The MONO plug is used for UNBALANCED operation and wired as follows:

TIP - Signal + SLEEVE - Screen



The MONO plug is also used for QUASI-BALANCED operation and wired as follows:

TIP - Signal + SLEEVE - Signal-, Screen



4. SPEAKON Plug

This is used in some models of Mega speaker system for connecting to an amplifier. The pin configurations are as shown in the diagram.



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