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सिलिका मिळीव নরায়ণ **تت چٹ** SILICA **சிலிக்கா** SILIKA **رأه** আগ্নেয় ধাতব পদার্থবশিষে **السيليكا**



INTRODUCTION

Hello,

I have pleasure to introduce myself as the founder of the group of companies Called “**Silica Group**”, located at prime location in the country i.e, New Delhi, in INDIA

We Produce a wide range of Public Address Systems.Silica P.A.Systems are being exported to various Gulf, Middle East,African & Asian Countries.

Our manufacturing premises is a well-modernised plant with various special purpose machines installed for manufacturing of the various products.It is a matter of delight for me to mention that nearly around 100000 Nos.Of Components are being turned out from manufacturing units for their ultimate use in the end products.

In this highly competitive market,we are able to sustain and progressively register increased sales volume year after year,merely because of Total commitment to **TOTAL QUALITY MANAGEMENT AT EVERY** stage of manufacturing till the goods are delivered to our esteemed buyers.Quality audits and stringent checks are built into our quality controls systems so as to maintain highest levels of quality of our products.

Looking forward to your esteemed organization & assuring you the best services at all times from our side.

With regards

Ajay Kumar Jain

EXPORT

TANZANIA SUDAN NIGERIA GHANA ETHIOPIA BANGLADESH KENYA KUWAIT
YEMEN QATAR CONGO OMAN SRI LANKA U.A.E. MYANMAR



सिलिका मिडीवा नरयटीव त्पुत्त चत्त SILICA சிலிக்கா SILIKA ᱵᱟᱜᱽᱴᱚᱨ আগ্নেয় ধাতব পদার্থবশিষে السيليكا



Silica®

TWO ZONE PA AMPLIFIERS

BTZ-10000



FEATURES

- ◆ Stereo Music input for DJ programmes.
- ◆ Facilitates connection and operation of two separate groups of speakers simultaneously on "Mono" mode. Ideal for places of worship.
- ◆ Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver unit position for safer operation of driver units.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ 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 settings.
- ◆ Instant transfer to DC power (Car Battery) If AC power fails.
- ◆ Bar Graph Signal Display.

◆ 1000 Watts

◆ AC & 36V DC operation

BTZ-7000



FEATURES

- ◆ Stereo Music input for DJ programmes.
- ◆ Facilitates connection and operation of two separate groups of speakers simultaneously on "Mono" mode. Ideal for places of worship.
- ◆ Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver unit position for safer operation of driver units.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ 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 settings.
- ◆ Instant transfer to DC power (Car Battery) If AC power fails.
- ◆ Bar Graph Signal Display.

◆ 700 Watts

◆ AC & 36V DC operation

SPECIFICATIONS	BTZ-10000	BTZ-7000
POWER OUTPUT	750W RMS Max., 500W RMS at 10% THD 450W RMS Max at 5% THD, 415W RMS at 2% THD	500W RMS Max., 350W RMS at 10% THD 300W RMS Max at 5% THD, 280W RMS at 2% THD
OUTPUT REGULATIONS	≤2 dB, no load to full load at 1kHz	2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mono 200mV/100kΩ Stereo L/R 200mV/100kΩ, Line L/R 1V/50kΩ	Mono 200mV/100kΩ Stereo L/R 200mV/100kΩ, Line L/R 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Line 1V/1kΩ	Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60 Hz DC: 36V (3×12V Car Battery)	AC: 220-240V 50/60 Hz DC: 36V (3×12V Car Battery)
POWER CONSUMPTION	AC: 2000VA DC: 16A	AC: 1100VA DC: 13A
DIMENSIONS	W510 × H220 × D440 mm	W510 × H185 × D470 mm
WEIGHT	40.0kg	32.0kg



Silica®

TWO ZONE PA AMPLIFIERS

TZA-4000EM



FEATURES

- ◆ 6 Mic & 2 Aux Inputs.
- ◆ Stereo Music Operation for DJ programmes.
- ◆ Facilitates connection and operation of two separate groups of speakers simultaneously on "Mono" mode. Ideal for Places of Worship.
- ◆ Line Input & Output on each zone for connecting to a Mixer and Booster amplifier respectively. Preamplifier output for recording.
- ◆ Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at driver Unit position for safer operation of driver units. Zone On/Off facility.
- ◆ Resettable circuit breaker for protection against overload and short circuit..
- ◆ 400 Watts
- ◆ AC & 24V DC operation

TZA-2000



FEATURES

- ◆ 6 Mic & 2 Aux Inputs.
- ◆ 100W+100W power output whereas it is 200W+200W in TZA-4000EM.
- ◆ Features are similar to TZA-4000EM. Stereo Music operation, connecting of two separate groups of speakers, line inputs & outputs, preamplifier outputs, zone
- ◆ On/Off facility, resettable circuit breaker, AC/DC operation have been provided. amplifier respectively. Preamplifier output for recording.
- ◆ User has a choice to connect both the zones to 100V (LMT) type speakers to one zone and low impedance type speakers.
- ◆ 200 Watts
- ◆ AC & 24V DC operation

SPECIFICATIONS	TZA-4000EM	TZA-2000
POWER OUTPUT	300W RMS Max., 200W RMS at 10% THD 180W RMS at 5% THD, 165W RMS at 2% THD	130W RMS Max., 100W RMS at 10% THD 90W RMS at 5% THD, 80W RMS at 2% THD
OUTPUT REGULATION	≤2 dB, no load to full load at 1kHz	≤2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mono 6 × Mic 0.6mV/4.7k, 2 × Aux 100mV/470k Stereo L/R: 200mV/100k, Line L/R: 1V/50kΩ	Mono 6 × Mic 0.6mV/4.7k, 2 × Aux 100mV/470k Stereo L/R: 250mV/47kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz
POWER CONSUMPTION	DC: 24V (2×12V Car Battery) AC: 700VA DC: 9A	DC: 24V (2×12V Car Battery) AC: 450VA DC: 6.5A
DIMENSIONS	W510 × H172 × D385 mm	W500 × H140 × D340 mm
WEIGHT	22.3kg	17.4kg



Silica®

TWO ZONE PA AMPLIFIERS

TZA-1500



FEATURES

- ♦ 6 Mic & 2 Aux Inputs.
 - ♦ Preamplifier output for connecting to a Booster Amplifier and for recording the programme and Bass & Treble Controls.
 - ♦ TZA-1500 permits connecting 100V (LMT) type speakers to one Zone and low impedance type speakers to other Zone without Causing overloading and over heating.
 - ♦ Instant transfer to DC power (Car Battery) if AC power fails.
 - ♦ Zone On/Off facility. Output levels of each Zone can be set independently to desired levels and the zone can be switched On/Off without disturbing the volume settings.
- ♦ 160 Watts
- ♦ AC & 12V DC operation

TZA-1200



FEATURES

- ♦ 5 Mic & 2 Aux Inputs.
 - ♦ 60W+60W power output whereas it is 80W+80W in TZA-1500..
 - ♦ Features are similar to TZA-1500. Connecting two groups of speakers, preamplifier output, bass and treble controls, zone On/Off facility, AC/DC operation have been provided.
 - ♦ TZA-1200 is suitable for small sized installations such as in places of worship
 - ♦ Where both external and internal speakers are required to be connected with difference sound level settings whereas TZA-1500 is suitable for medium size
 - ♦ Installations and for mobile orchestras.
- ♦ 120 Watts
- ♦ AC & 12V DC operation

SPECIFICATIONS	TZA-1500	TZA-1200
POWER OUTPUT	100W RMS Max., 80W RMS at 10% THD 70W RMS at 5% THD, 60W RMS at 2% THD	90W RMS Max., 60W RMS at 10% THD 55W RMS at 5% THD, 50W RMS at 2% THD
OUTPUT REGULATION	2 dB, no load to full load at 1kHz	2 dB, no load to full load at 1kHz
INPUT CHANNELS	6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470 kΩ	5 × Mic 0.6mV/4.7k, 1 × Aux 100mV/470 kΩ 1 × Aux 200mV/470 kΩ (RCA Jack)
FREQUENCY RESPONSE	65-15,000Hz ±3dB	70-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 16Ω & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 300VA DC: 6A	AC: 250VA DC: 5A
DIMENSIONS	W460 × H155 × D310 mm	W400 × H130 × D290 mm
WEIGHT	14.2kg	10.1kg



Silica®

DJ & PA AMPLIFIERS



FEATURES

- ◆ 5 Band Graphic Equaliser.& Microphone output.
- ◆ Mains OVER-VOLTAGE & Thermal Protection Circuits.
- ◆ Designed for use in a wide variety of PA applications and DJ performances.
- ◆ UBA-500 is a 500 Watts amplifier which can be connected to various input sources like a Microphone, PA Mixer, DJ Mixer, CD Player, Cassette Player, Keyboard etc.
- ◆ The amplifier comprises of a 5 band graphic equalizer which provides precise and accurate tonal setting of the programme.
- ◆ Line Input and Line Output have been provided to enable interconnections with other power amplifiers.
- ◆ Circuit Protector Device has been provided which safeguards the amplifier against overload and short circuit.
- ◆ The amplifier has built-in protection against over voltage in AC mains supply while operating on a Genset.
- ◆ Indicator LEDs for Power, Signal, Temp, Overload and Fault conditions have been provided.
- ◆ Ease of operation, combined with service accessibility has been optimized in the design.
- ◆ 2Ω speaker matching provided in addition to 4Ω & 8Ω.

- ◆ 500 Watts
- ◆ AC operation

SPECIFICATIONS	UBA-500
POWER OUTPUT	650W RMS Max., 500W RMS at 10%THD 475W RMS at 5% THD, 450W RMS at 2% THD
OUTPUT REGULATION	< 2dB no load to full load at 1kHz
INPUT CHANNELS	1 × Mic 1mV/4.7k (Mic source impedance 50 to 1k) 1 × Aux 100mV / 470k, 1 × CD 250mV / 20k, Line Input 1V / 10k
FREQUENCY RESPONSE	50Hz-18,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass (100Hz) : ± 8dB, Lo-Mid (315Hz) : ± 8dB, Mid (1kHz) : ± 8dB Hi-Mid (3.15kHz) : ± 8dB, Treble (10kHz) : ± 8dB
LINE OUTPUT	1V/1kΩ
OUTPUT TAPS FOR SPEAKER	2Ω , 4Ω & 8Ω
POWER SUPPLY	AC: 220-240V 50/60Hz
AC POWER CONSUMPTION	1000 VA
DIMENSIONS	W482 × H166 × D435 mm
WEIGHT	23.5kg



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HIGH POWER PA AMPLIFIERS

SSA-5000EM



FEATURES

- ◆ 7 Mic & 2 Aux Inputs.
- ◆ Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Line Input for connecting the output from any external mixer or permitting SSA-5000EM to be used as a Booster Power Amplifier.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- ◆ 500 Watts
- ◆ AC & 36V DC operation

SPA-5000EM



FEATURES

- ◆ Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- ◆ Ideal for large installations where a high power output is required. A combination of a SSA-5000EM and one SPA-5000EM can deliver 1000W power output.

- ◆ 500 Watts
- ◆ AC & 36V DC operation

SPECIFICATIONS	SSA-5000EM	SPA-5000EM
POWER OUTPUT	750W RMS Max., 500W RMS at 10% THD 450W RMS at 5% THD, 415W RMS at 2% THD	90W RMS Max., 60W RMS at 10% THD 55W RMS at 5% THD, 50W RMS at 2% THD
OUTPUT REGULATION	2 dB, no load to full load at 1kHz	2 dB, no load to full load at 1kHz
INPUT CHANNELS	7 × Mic 0.8mV/4.7k, 2 × Aux 100mV/470 k 1 × Line 1V/50k	5 × Mic 0.6mV/4.7k, 1 × Aux 100mV/470 kΩ 1 × Aux 200mV/470 kΩ (RCA Jack)
FREQUENCY RESPONSE	50-15,000Hz ±3dB	70-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUTS	Preamp 200mV/600, Line 1V/1k	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 16Ω & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3×12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 1000VA DC: 8A	AC: 250VA DC: 5A
DIMENSIONS	W510 × H172 × D385 mm	W400 × H130 × D290 mm
WEIGHT	24.5kg	10.1kg



Silica®

HIGH POWER PA AMPLIFIERS

MXA-3500



FEATURES

- ♦ 8 Mic & 3 Aux Inputs.
- ♦ 8 Channel Mixer and 5 Band Graphic Equalizer ($\pm 8\text{dB}$ at 100Hz, 300Hz, 1kHz, 3kHz & 10kHz). Ideal for use in a medium size auditorium.
- ♦ Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- ♦ Line Input for connecting the output from any external mixer or permitting
- ♦ MXA-3500 to be used as a Booster Power Amplifier.
- ♦ Resettable circuit breaker for protection against overload and short circuit.
- ♦ Instant transfer to DC power (Car Battery) if AC power fails.

♦ 350Watts ♦ AC & 36V DC operation

SSA-350



FEATURES

- ♦ 7 Mic & 2 Aux Inputs.
- ♦ Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- ♦ Line Input for connecting the output from any external mixer or permitting SSA-350 to be used as a Booster Power Amplifier.
- ♦ Resettable circuit breaker for protection against overload and short circuit.
- ♦ Instant transfer to DC power (Car Battery) if AC power fails.
- ♦ Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.

♦ 350Watts ♦ AC & 36V DC operation

SPECIFICATIONS	MXA-3500	SSA-350
POWER OUTPUT	450W RMS Max., 350W RMS at 10% THD 320W RMS at 5% THD, 300W RMS at 2% THD	500W RMS Max., 350W RMS at 10% THD 320W RMS at 5% THD, 300W RMS at 2% THD
OUTPUT REGULATION	$\leq 2\text{ dB}$, no load to full load at 1kHz	$\leq 2\text{ dB}$, no load to full load at 1kHz
INPUT CHANNELS	8 \times Mic 0.8mV/4.7k Ω , 2 \times Aux 200mV/470k Ω 1 \times Aux 100mV/470k Ω , 1 \times Line 1V/50k Ω	7 \times Mic 0.8mV/4.7k Ω , 1 \times Aux 100mV/470k Ω 1 \times Aux 200mV/470k Ω , 1 \times Line 1V/50k Ω
FREQUENCY RESPONSE	50-15,000Hz $\pm 3\text{dB}$	50-15,000Hz $\pm 3\text{dB}$
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass & Treble $\pm 6\text{dB}$ at 100Hz 10kHz for Mic 1 - 6 & Aux 1&2	Bass: $\pm 10\text{dB}$ at 100Hz, Treble: $\pm 10\text{dB}$ at 10kHz
OUTPUTS	Preamp 200mV/600 Ω , Line 1V/1k Ω	Preamp 200mV/600 Ω Line 1V/1k Ω
SPEAKER OUTPUTS	4 Ω , 8 Ω , 70V & 100V	4 Ω , 8 Ω , 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 \times 12V Car Battery)	AC: 220-240V 50/60Hz DC: 36V (3 \times 12V Car Battery)
POWER CONSUMPTION	AC: 750VA DC: 8A	AC: 660VA DC: 6A
DIMENSIONS	W510 \times H172 \times D385 mm	W480 \times H160 \times D360 mm
WEIGHT	20.0kg.	20.5kg.



Silica®

HIGH POWER PA AMPLIFIERS

SSA-250M



FEATURES

- ◆ 6 Mic & 2 Aux Inputs.
- ◆ Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Line Input for connecting the output from any external mixer or permitting SSA-250M to be used as a Booster Power Amplifier.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver
- ◆ Unit position for safer operation of driver units.
- ◆ 250 Watts
- ◆ AC & 24V DC operation

BR-250M



FEATURES

- ◆ Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- ◆ By connecting four booster amplifiers BR-250M to one SSA-250M, the user can have a 1250W mono system.

- ◆ 250 Watts
- ◆ AC & 24V DC operation

SPECIFICATIONS	SSA-250M	BR-250M
POWER OUTPUT	300W RMS Max., 250W RMS at 10% THD 220W RMS at 5% THD, 200W RMS at 2% THD	300W RMS Max., 250W RMS at 10% THD 220W RMS at 5% THD, 200W RMS at 2% THD
OUTPUT REGULATION	≤2 dB, no load to full load at 1kHz	≤2 dB, no load to full load at 1kHz
INPUT CHANNELS	6 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ 1 × Line 1V/50kΩ	1 × Line 200mV/100kΩ 1 × Line 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2×12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 5VA DC: 6A	AC: 500VA DC: 6A
DIMENSIONS	W450 × H160 × D340 mm	W450 × H160 × D340 mm
WEIGHT	16.0kg	15.0kg



Silica®

INSTALLATION PA AMPLIFIERS

PAM-3001



FEATURES

- ◆ 5 Mic, 3 Aux & 1 Telephone Inputs.
 - ◆ 2 Balanced Mic Inputs through Combo (Female XLR socket cum 1/4" Stereo Phone Jack) connectors.
 - ◆ Mic-1 and Telephone Input provided with Voice Operated PRIORITY over all other programmes.
 - ◆ Preamplifier and Line Output for recording the programme and connecting to a booster amplifier.
 - ◆ Line Input for connecting an external audio mixer or permitting PAM-3001 to be used as a Booster Power Amplifier.
 - ◆ Instant transfer to DC power (Car Battery) if AC power fails & 19" Rack mountable.
- ◆ 325 Watts ◆ AC & 24V DC operation

PAM-3001Z



FEATURES

- ◆ 5 Mic, 3 Aux & 1 Telephone Inputs.
 - ◆ PAM-3001Z has the additional feature of distributing the total load of 100Vline amongst 5 speaker zones, allowing the output to designated areas.
 - ◆ The zones are selectable through a zone selector push-button switch on the front panel.
 - ◆ Ideal for use in commercial establishments where the building may be sectionised indifferent areas such as office, warehouse, workshop etc.
 - ◆ Resettable circuit breaker for protection against overload and short circuit.
 - ◆ Instant transfer to DC power (Car Battery) if AC power fails & 19" Rack mountable.
- ◆ 325 Watts ◆ AC & 24V DC operation

SPECIFICATIONS	PAM-3001	PAM-3001Z
POWER OUTPUT	415W RMS Max., 325W RMS at 10% THD 300W RMS at 5% THD, 275W RMS at 2% THD	415W RMS Max., 325W RMS at 10% THD 300W RMS at 5% THD, 275W RMS at 2% THD
OUTPUT REGULATION	≤2 dB, no load to full load at 1kHz	≤2 dB, no load to full load at 1kHz
INPUT CHANNELS	3 × Mic 0.65mV/4.7kΩ, 2 × Mic 1.0mV/2kΩ 1 Line 1V/50kΩ, 2 × Aux 100mV/470kΩ 1 × Aux 250mV/470kΩ, 1 × Telephone 150mV/10kΩ	3 × Mic 0.65mV/4.7kΩ, 2 × Mic 1.0mV/2kΩ 1 Line 1V/50kΩ, 2 × Aux 100mV/470kΩ 1 × Aux 250mV/470kΩ, 1 × Telephone 150mV/10kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass ±10dB at 100Hz Treble ±10dB at 100Hz 10kHz for Mic 1 - 6 & Aux 1&2	Bass ±10dB at 100Hz Treble ±10dB at 100Hz 10kHz for Mic 1 - 6 & Aux 1&2
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 600VA DC:7A	AC: 600VA DC:7A
DIMENSIONS	W482 × H133 × D390 mm	W482 × H133 × D390 mm
WEIGHT	19.8kg.	19.8kg.



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MEDIUM POWER PA AMPLIFIERS

SSA-160EM



FEATURES

- ◆ 5 Mic & 2 Aux Inputs.
- ◆ Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Line Input for connecting the output from any external mixer or permitting SSA-160M to be used as a Booster Power Amplifier.
- ◆ Resettable circuit breaker for protection against overload and short circuit.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver
- ◆ Unit position for safer operation of driver units.
- ◆ 160 Watts
- ◆ AC & 24V DC operation

SSA-100M



FEATURES

- ◆ 5 Mic & 2 Aux Inputs.
- ◆ Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Bass & Treble Tone Controls cut type.
- ◆ 100 Watts
- ◆ AC & 24V DC operation

SPECIFICATIONS	SSA-160EM	SSA-100M
POWER OUTPUT	220W Max., 160W RMS at 10% THD 140W RMS at 5% THD, 120W RMS at 2% THD	130W Max., 100W RMS at 10% THD 90W RMS at 5% THD, 80W RMS at 2% THD
OUTPUT REGULATION	≤2 dB, no load to full load at 1kHz	≤2 dB, no load to full load at 1kHz
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470kΩ 1 × Line 1V/50kΩ	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 500mV/470kΩ 1 × Aux 150mV/470kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass ±10dB at 100Hz Treble ±10dB at 100Hz	Bass -10dB at 100Hz Treble -10dB at 100Hz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 16Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 320VA DC:4A	AC: 220VA DC:3A
DIMENSIONS	W420 × H155 × D320 mm	W420 × H135 × D290 mm
WEIGHT	13.6kg.	10.5kg.



Silica®

MEDIUM POWER PA AMPLIFIERS

SSB-120



FEATURES

- ◆ 5 Mic & 2 Aux Inputs
- ◆ Line Output for connecting to a Booster Amplifier and Preamp Output for recording the programme.
- ◆ Cut type Bass & Treble controls.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.

◆ 120 Watts

◆ AC & 12V DC operation

SSB-80EM



FEATURES

- ◆ 5 Mic & 2 Aux Inputs.
- ◆ Preamp Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Cut type Bass & Treble controls.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.

◆ 80Watts

◆ AC & 12V DC operation

SPECIFICATIONS	SSB-120	SSB-80EM
POWER OUTPUT	160W Max., 120W RMS at 10% THD 105W RMS at 5% THD, 95W RMS at 2% THD	110W Max., 80W RMS at 10% THD 75W RMS at 5% THD, 60W RMS at 2% THD
OUTPUT REGULATION	≤2 dB, no load to full load at 1kHz	≤2 dB, no load to full load at 1kHz
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470kΩ	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass -10dB at 100Hz Treble -10dB at 100Hz	Bass -10dB at 100Hz Treble -10dB at 100Hz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω, 70V & 100V	4Ω, 8Ω, 16Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (1 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (1 × 12V Car Battery)
POWER CONSUMPTION	AC: 250VA DC:5.5A	AC: 180VA DC:3A
DIMENSIONS	W420 × H135 × D295 mm	W355 × H133 × D285 mm
WEIGHT	11.3kg.	8.5kg.



Silica®

MEDIUM POWER PA AMPLIFIERS

SSB-60EM



FEATURES

- ◆ 4 Mic & 1 Aux Inputs
- ◆ Preamplifier Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Cut type Bass & Treble Controls.

- ◆ 60Watts
- ◆ AC & 12V DC operation

SSB-45M



FEATURES

- ◆ 3 Mic & 1 Aux Inputs.
- ◆ Preamplifier Output for connecting to a Booster Amplifier and for recording the programme.
- ◆ Instant transfer to DC power (Car Battery) if AC power fails.
- ◆ Cut type Bass & Treble Controls.

- ◆ 45 Watts
- ◆ AC & 12V DC operation

SPECIFICATIONS	SSB-60M	SSB-45M
POWER OUTPUT	90W Max., 65W RMS at 10% THD 60W RMS at 5% THD, 50W RMS at 2% THD	64W Max., 45W RMS at 10% THD 40W RMS at 5% THD, 30W RMS at 2% THD
OUTPUT REGULATION	≤2 dB, no load to full load at 1kHz	≤2 dB, no load to full load at 1kHz
INPUT CHANNELS	4 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470kΩ	3 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	100-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass -10dB at 100Hz Treble -10dB at 100Hz	Bass -10dB at 100Hz Treble -10dB at 100Hz
OUTPUTS	Preamp 200mV/600Ω	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω & 100V	4Ω, 8Ω, 16Ω & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (1 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (1 × 12V Car Battery)
POWER CONSUMPTION	AC: 160VA DC:3A	AC: 110VA DC:2A
DIMENSIONS	W350 × H120 × D165 mm	W280 × H120 × D270 mm
WEIGHT	7.0kg.	4.8kg.



Silica®

LOW POWER PA AMPLIFIERS

UTR-40



FEATURES

- ◆ 3 Mic & 1 Aux Input.
 - ◆ Cut type Bass & Treble controls.
 - ◆ 3 Power source amplifier: AC mains, 12V DC (Car Battery) and 12V DC Dry Cell (Two Banks of 8 × 1.5V UM-1 cell each).
 - ◆ Extremely portable and ideal for use in remote places without electricity.
 - ◆ Low current consumption for long battery life.
- ◆ 30 Watts ◆ AC & 12V DC & Dry Cells operation

UTR-30E



FEATURES

- ◆ 3 Mic & 1 Aux Input.
 - ◆ Cut type Bass & Treble controls.
 - ◆ 3 Power source amplifier: AC mains, 12V DC (Car Battery) and 12V DC Dry Cell (Two Banks of 8 × 1.5V UM-1 cell each).
 - ◆ Extremely portable and ideal for use in remote places without electricity.
 - ◆ Battery save switch for long battery life and red LED for low battery indication.
- ◆ 25 Watts ◆ AC & 12V DC & Dry Cells operation

UB-30



FEATURES

- ◆ 2 Mic & 1 Aux Input.
 - ◆ Cut type Tone Control.
 - ◆ 2 Power source amplifier: AC mains & 12V DC (Car Battery).
 - ◆ Extremely portable and ideal for use in remote places without electricity.
- ◆ 25 Watts ◆ AC & 12V DC operation

SPECIFICATIONS	UTR-40	UTR-30E	UB-30
POWER OUTPUT	45W RMS Max., 30W RMS at 10% THD	35W RMS Max., 25W RMS at 10% THD	30W RMS Max., 25W RMS at 10% THD
INPUT CHANNELS	3 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/250 kΩ	3 × Mic 1.0mV/10kΩ, 1 × Aux 50mV/250 kΩ	2 × Mic 1.0mV/4.7kΩ, 1 × Aux 100mV/470 kΩ
FREQUENCY RESPONSE	100-15,000Hz ±3dB	150-15,000Hz ±3dB	150-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB	60dB
TONE CONTROLS	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz	Bass: -15dB at 100Hz,	Bass: -10dB at 100Hz,
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω & 100V	4Ω, 8Ω, 16Ω	4Ω, 8Ω, 16Ω
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery), 12V (Dry Cell 8 × UM-1) Two Banks	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery), 12V (Dry Cell 8 × UM-1) Two Banks	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery),
POWER CONSUMPTION	AC: 90VA DC: 1.8A	AC: 50VA DC: 1.2A	AC: 50VA DC: 1.2A
DIMENSIONS	W280 × H115 × D270 mm	W250 × H115 × D270 mm	W180 × H80 × D190 mm
WEIGHT	5.3kg	4.3kg	4.0kg



Silica®

MOBILE PA AMPLIFIERS

PA-400SM



FEATURES

- ◆ 2 Mic & 1 Aux Input.
- ◆ 12V Car Battery Operation.
- ◆ Two Tone Siren (Wailing & Yelping) with volume control.
- ◆ Recommended for use with Mic MM-60M & Horn speakers SUH-25/SUH-40.
- ◆ Amplifier mounting bracket supplied.
- ◆ Ideal for Police Vehicles, Crowd Control, Ambulances, Publicity Vans, electioneering etc.

◆ 40 Watts

◆ 12V DC operation

MPA-300



FEATURES

- ◆ 2 Mic & 1 Aux Input. Built-in Cassette Player.
- ◆ 12V Car Battery Operation.
- ◆ Fitted with slip-in-type tape mechanism.
- ◆ Provision for selecting internal or external speaker groups.
- ◆ Mounting brackets supplied.
- ◆ Ideal for Tourist Coaches, Electioneering, Publicity Vans etc.

◆ 32 Watts

◆ 12V DC operation

SPECIFICATIONS	PA-400SM	MPA-300
POWER OUTPUT	50W RMS Max., 40W RMS at 10% THD	50W RMS Max., 32W RMS at 10% THD
INPUT CHANNELS	2 × Mic 1mV/4.7kΩ, 1 × Aux 100mV/330kΩ	2 × Mic, 1mV/3kΩ 1 × Aux 100mV/250kΩ
FREQUENCY RESPONSE	100-10,000Hz ±3dB	150-10,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	58dB
TONE CONTROLS		-10db at 10kHz
SPEAKER OUTPUTS	4 (100V Line inside)	4Ω, 8Ω, 16Ω (100V Line inside)
POWER SUPPLY	DC: 12V (12V Car Battery)	DC: 12V (12V Car Battery)
DIMENSIONS	W180 × H80 × D240 mm	W217 × H86 × D257 mm
WEIGHT	2.1kg	2.9kg

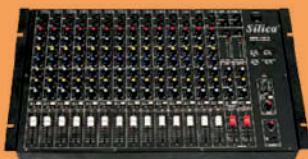


Silica®

PA AUDIO MIXING CONSOLES-STEREO

AMX-1412

AC & 12V DC OPERATION



14 CHANNEL

AMX-912

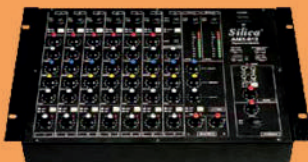
AC & 24V DC OPERATION



9 CHANNEL

AMX-812

AC & 24V DC OPERATION



8 CHANNEL

FEATURES

- ◆ Input Channels : Each Channel has separate 1/4" balanced phone jacks for Mic and Line & accepts both balanced & unbalanced signals.
- ◆ AUX Control : This controls the level of the channel in the final mix to Aux Send output.
- ◆ MONO/STEREO Output : Mono output is available from either Left & Right output jacks when the switch is in 'Mono' position.
- ◆ Individual GAIN Control.
- ◆ TAPE Section (For play and record facility).
- ◆ Master Faders, Headphone, BASS, MID & TREBLE Controls.

FEATURES

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- ◆ MONO/STEREO Output : Mono output is available from either Left & Right output jacks when the switch is in 'Mono' position.
- ◆ Individual GAIN Control.
- ◆ TAPE Section (For play and record facility).
- ◆ Master Faders, Headphone, BASS, MID & TREBLE Controls.

SPECIFICATIONS	AMX-1412	AMX-912	AMX-812
POWER REQUIREMENTS	AC: 220-240V 50/60Hz DC: 24v (2×12V Car Battery)	AC: 220-240V 50/60Hz DC: 24v (2×12V Car Battery)	AC: 220-240V 50/60Hz DC: 24v (2×12V Car Battery)
MIC INPUT (Impedance/Gain)	2kΩ/62dB	2kΩ/62dB	2k/62dB
LINE INPUT (Impedance/Gain)	20kΩ Balanced/42dB 10kΩ Unbalanced/42dB	20kΩ Balanced/42dB 10kΩ Unbalanced/42dB	20k Balanced/42dB 10k Unbalanced/42dB
DISTORTION	< 0.08%	< 0.08%	< 0.08%
FREQUENCY RESPONSE	30Hz - 20kHz (+0,-1dB)	30Hz - 20kHz (+0,-1dB)	30Hz - 20kHz (+0,-1dB)
TONE CONTROLS	Bass : ± 12dB at 100Hz Treble : ± 12dB at 10kHz	Bass : ± 12dB at 100Hz Treble ± 12dB at 10kHz	Bass : ± 12dB at 100Hz Treble ± 12dB at 10kHz
LINE OUTPUT	-10dBm/+2dBm (200mV/1V) 0dBm/+17dBm (775mV/5.5V)	-10dBm/+2dBm (200mV/1V) 0dBm/+17dBm (775mV/5.5V)	0dBm/+17dBm (775mV/5.5V)
ECHO/REVERB SYSTEM	Digital Signal Processing	Digital Signal Processing	Digital Signal Processing
S/N RATIO	>70dB (0dBm, 0.775V)	>70dB (0dBm, 0.775V)	>70dB (0dBm, 0.775V)
DIMENSIONS	W633 × H93 × D420 mm	W483 × H93 × D366 mm	W423 × H93 × D302 mm
WEIGHT	9.4Kg	6.7kg	5.0kg

সিলিকা মিডিয়া নব্বইটি বট চিহ্ন SILICA শিলিকা SILIKA শিলিকা আগ্নেয় ধাতব পদার্থবিশিষ্ট সিলিকা



Silica®

PA AUDIO / ECHO MIXERS

MX-15



FEATURES

General Purpose 12 Channel PA Mixer Preamplifier

- ◆ 12 Mic & 3 Aux Inputs.
- ◆ All inputs with On/Off switches with LED display.
- ◆ Master control for overall adjustment.
- ◆ 4 Line output for connecting number of Amplifiers or Boosters.
- ◆ Headphone output for monitoring.
- ◆ Active Bass and Treble tone controls.

◆ AC & 12V DC operation

MMX-50



FEATURES

Compact General Purpose 5 Channel Mixer Preamplifier

- ◆ Compact and easy to use.
- ◆ 5 Mic and 1 Aux Input.
- ◆ Separate volume control for each mic input.
- ◆ Peak LED for setting optimum distortion-free input levels.

◆ AC & 12V DC operation

DMX-40



FEATURES

4 Channel Mixer Preamplifier for ... Echo... Reverb... Chorus... Effect

- ◆ Digital Signal Processing.
- ◆ Compatible with Audio Mixing Consoles.
- ◆ Peak LED for setting optimum distortion free input levels.
- ◆ Echo facility on all inputs through Echo volume, repeat & delay controls.

◆ AC & 12V DC operation

DMX-20



FEATURES

2 Channel Mixer Preamplifier for Echo... Reverb... Chorus... Effects

- ◆ Adds colour to Vocals and Musical Instruments.
- ◆ Digital Signal Processing.
- ◆ Peak LED for setting optimum distortion free input levels.
- ◆ Echo facility on all inputs through Echo Volume, Repeat & Delay.

◆ AC & 12V DC operation



Silica®

**PA AND IO SPLITTER &
PA CENTRE-AMPLIFIER + AM/FM TUNER + CASSETTE PLAYER**

DA-80



FEATURES

- ◆ Sleek and compact 8 channel line signal splitter.
 - ◆ Designed for use in a wide variety of indoor and outdoor PA applications.
 - ◆ Accepts Line Level Stereo as well as Mono inputs.
 - ◆ Splitter provides four stereo outputs or eight mono outputs with a signal headroom of +25dB.
 - ◆ Individual volume control for the input and eight output channels.
 - ◆ Clip LED for optimum distortion free input levels.
 - ◆ Operates on AC mains and 24V DC Car Battery.
 - ◆ 19" rack mountable in 1U size and usable as a table top unit also.
- ◆ AC & 24V DC operation

BGM-800



FEATURES

- ◆ Auto reverse cassette player mechanism replaceable module.
 - ◆ 6 preset station AM/FM tuner.
 - ◆ Priority on Mic-1 & Telephone inputs.
 - ◆ Inputs for Mic-2 & CD/Aux.
 - ◆ Built-in switchable Monitor Speaker & Headphone output.
 - ◆ Line output for connecting to a booster amplifier for more system power.
 - ◆ Grab handles.
 - ◆ Ears for 19" standard rack mounting optional.
- ◆ 80 Watts
◆ AC & 12V DC operation

SPECIFICATIONS

BGM-800

POWER OUTPUT	110W RMS Max., 80W RMS at 10%THD, 75W RMS at 5% THD
INPUT CHANNELS	2 × Mic. 0.65mV/4.7k, 1 × CD/Aux, 250mV/470k, 1 × Telephone, 150mV/10k
FREQUENCY RESPONSE	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	58dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS PREAMP	Preamp: 200mV/600
LINE	1V/1k
HEADPHONE	1.8mW/8
SPEAKER OUTPUTS	8, 70V & 100V
TUNNING RANGE	AM: 535kHz-1630kHz, FM: 88MHz-108MHz
ANTENNA INPUT	75/300
TRACK SYSTEM	2 Track, Monaural
WOW & FLUTTER	<0.35% Nominal
POWER SUPPLY	AC: 220-240V, 50/60Hz (110V on request) DC: 12-14V Car Battery
DIMENSIONS	W425 × H137 × D327 mm
WEIGHT	11.3kg



Silica[®]

PA CASSETTE RECORDER AMPLIFIERS

UCR-810



FEATURES

- ◆ Multiple inputs for 4 Mics/1 Aux source.
- ◆ External speaker connections for 4, 8 & 16 ohm and 100V.
- ◆ Preamplifier Output for connecting to Booster Amplifier and for recording the programme.
- ◆ Built-in Monitor Speaker & Headphones output for monitoring programme.
- ◆ Active Bass and Treble Controls.
- ◆ 5-LED array for output level monitoring.
- ◆ Sturdy front loading Tape Deck mechanism with full auto stop.

◆ 80 Watts

◆ AC & 12V DC operation

UCR-60



FEATURES

- ◆ Voice Operated Priority in Mic-1 helps in making announcements while music is on.
- ◆ Headphone output for monitoring.
- ◆ Built-in Monitor Speaker.
- ◆ Low distortion figures on complete frequency range for clear and brilliant sound reproduction.
- ◆ Sturdy front loading Tape Deck Mechanism with auto-stop.
- ◆ Ideal for PA Applications where live recording is desired.

◆ 60 Watts

◆ AC & 12V DC operation

SPECIFICATIONS	UCR-810	UCR-60
POWER OUTPUT	110W RMS Max. 80W RMS at 10% THD 75W RMS at 5% THD 60W RMS at 2% THD	90W RMS Max. 60W RMS at 5% THD
FREQUENCY RESPONSE	50-15,000Hz \pm 3dB	50-15,000Hz \pm 3dB
SIGNAL TO NOISE RATIO	60dB	55dB
INPUT CHANNELS	4 \times Mic. 0.6mV/4.7k 1 \times Aux 100mV/330k	3 \times Mic. 0.7mV/2.5k 1 \times Aux 100mV/330k
TONE CONTROLS	Bass: \pm 10dB at 100Hz Treble: \pm 10dB at 10kHz	Bass: \pm 10dB at 100Hz Treble: \pm 10dB at 10kHz
SPEAKER OUTPUT	4, 8, 16 & 100V	4, 8 & 100V
PREAMP OUTPUT	200mV/600	500mV/600
HEADPHONE OUTPUT	3mW/8	1.8mW/8
TRACK SYSTEM	2 Track, Monaural	2 Track, Monaural
WOW & FLUTTER	<0.25% Nominal	<0.35% Nominal
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12-14V Car Battery	AC: 220-240V 50/60Hz DC: 12-14V Car Battery
DIMENSIONS	W415 \times H145 \times D320 mm	W405 \times H140 \times D320 mm
WEIGHT	10.2kg	10.0kg



Silica®

PA CASSETTE PLAYER AMPLIFIERS

UPA-1200



FEATURES

- ◆ 5 Mic & 1 Aux Input.
 - ◆ Line Output for connecting to a Booster Amplifier and Preamplifier Output for recording the programme.
 - ◆ Active Bass & Treble controls and 5 LED array for output level monitoring.
 - ◆ Instant transfer to DC Power (Car Battery) if AC power fails.
 - ◆ Sturdy front loading Tape Deck mechanism with full auto stop.
 - ◆ Box/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- ◆ 120 Watts ◆ AC & 12V DC operation

UPA-750



FEATURES

- ◆ 4 Mic & 1 Aux Input.
 - ◆ Line Output for connecting to a Booster Amplifier.
 - ◆ Active Bass & Treble controls.
 - ◆ Instant transfer to DC Power (Car Battery) if AC power fails.
 - ◆ 5 LED array for output level monitoring.
 - ◆ Sturdy front loading Tape Deck mechanism with full auto stop.
- ◆ 75 Watts ◆ AC & 12V DC operation

UPA-550



FEATURES

- ◆ 3 Mic & 1 Aux Input.
 - ◆ Line Output for connecting to a Booster Amplifier.
 - ◆ Active Bass & Treble controls.
 - ◆ Instant transfer to DC Power (Car Battery) if AC power fails.
 - ◆ Sturdy front loading Tape Deck mechanism with full auto-stop.
- ◆ 50 Watts ◆ AC & 12V DC operation

SPECIFICATIONS	UPA-1200	UPA-750	UPA-550
POWER OUTPUT	160W RMS Max., 120W RMS at 10% THD 105W RMS at 5% THD	100W RMS Max., 75W RMS at 10% THD 70W RMS at 5% THD	75W RMS Max., 50W RMS at 10% THD 45W RMS at 5% THD
FREQUENCY RESPONSE	50-15,000Hz ± 3 dB	50-15,000Hz ± 3 dB	50-15,000Hz ± 3 dB
SIGNAL TO NOISE RATIO	60dB	55dB	55dB
INPUT CHANNELS	5 \times Mic. 0.6mV/4.7k Ω 1 \times Aux 100mV/330k Ω	4 \times Mic. 0.6mV / 4.7k Ω 1 \times Aux 100mV / 330k Ω	3 \times Mic. 0.6mV/4.7k Ω 1 \times Aux 100mV/470k Ω
TONE CONTROLS	Bass: ± 10 dB at 100Hz Treble: ± 10 dB at 10kHz	Bass: -10dB +7dB at 100Hz Treble: -10dB +7dB at 10kHz	Bass: ± 10 dB at 100Hz Treble: ± 10 dB at 10kHz
SPEAKER OUTPUT	4 Ω 8 Ω , 70V & 100V	4 Ω , 8 Ω , 16 Ω , 70V & 100V	4 Ω , 8 Ω , 16 Ω & 100V
OUTPUT PREAMP / LINE	200mV/600 / 1V/1k Ω	1V/3.5k Ω	400mV/2.7k Ω
TRACK SYSTEM	2 Track, Monaural	2 Track, Monaural	2 Track, Monaural
WOW & FLUTTER	<0.35% Nominal	<0.35% Nominal	<0.35% Nominal
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12-14V Car Battery	AC: 220-240V 50/60Hz DC: 12-14V Car Battery	AC: 220-240V 50/60Hz DC: 12-14V Car Battery
DIMENSIONS	W425 \times H137 \times D350 mm	W395 \times H137 \times D323 mm	W340 \times H145 \times D270 mm
WEIGHT	11.7kg	10.0kg	7.3kg