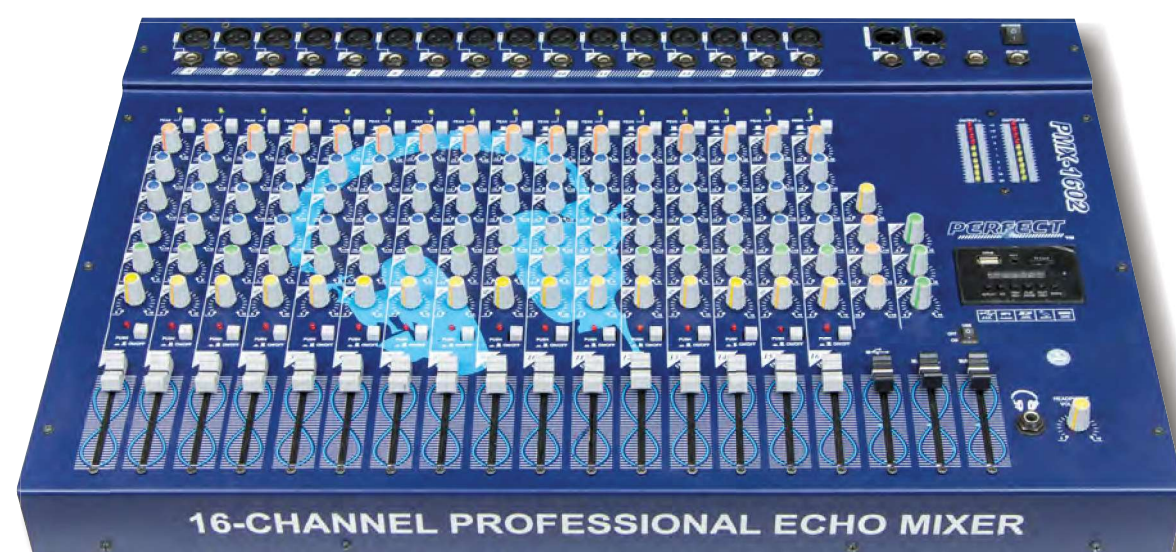




PA Amplifiers Audio Mixers Megaphones



PERFECT PA AMPLIFIERS



SSA-6000

 600 WATTS • AC & 36V DC OPERATION



SSA-6000 DP with USB

Dimensions: W500 x D390 x H170mm

Weight: 22.250 Kg.

- ❖ SSA-6000 is a multi application high Power PA Amplifier capable of delivering 700 Watts, ideal for driving high power sub-woofers as well as large PA Installations.
- ❖ 7 microphone and 3 Aux inputs (one of which is through RCA jacks and specially meant for CD/DVD Players). In addition resettable circuit protector, ± 10 dB Cut/Boost Bass/Treble controls and AC/36V battery operation are provided.

- ❖ Line Input & Output for connecting to a Mixer and Booster Amplifier respectively. Pre amplifier output for recording.
- ❖ Box Speaker/Driver Unit selector switch-Bass boost can be defeated at Driver Unit position for safer operation of driver units.
- ❖ Resettable circuit breaker for protection against overload and short circuit.
- ❖ Instant transfer to DC power (Car Battery) if AC power fails.



SSA-350DP

 350 WATTS • AC & 24V DC OPERATION



Dimensions: W440 x D340 x H160mm

Weight: 16.000 Kg.

- ❖ SSA-350DP is a PA mixer amplifier of rated output 350 watts, fitted with a MP3 Digital Player.
- ❖ The Digital Player features outstanding wide spectrum sound quality, combined with highly useful features like LCD display, remote control, and facilities for REPEAT, PAUSE, VOLUME UP / DOWN etc. It can read USB drives, SD & MMC cards.
- ❖ 6 Mic inputs, 2 Aux inputs, cut / boost type bass & treble controls,

- resettable circuit protector, and provision for connecting 24V battery.
- ❖ This is a rugged and highly reliable product, ideally suited for a wide variety of music and public address applications.
- ❖ 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-350DP to be used as a Booster Power Amplifier.



SSA-250DP

 250 WATTS • AC & 24V DC OPERATION



Dimensions: W440 x D340 x H160mm

Weight: 14.550 Kg.

- ❖ SSA-250DP is a PA mixer amplifier of rated output 250 watts, fitted with a MP3 Digital Player.
- ❖ The Digital Player features outstanding wide spectrum sound quality, combined with highly useful features like LCD display, remote control, and facilities for REPEAT, PAUSE, VOLUME UP / DOWN etc. It can read USB drives, SD & MMC cards.
- ❖ 6 Mic inputs, 2 Aux inputs, cut / boost type bass & treble controls,

- resettable circuit protector, and provision for connecting 24V battery.
- ❖ This is a rugged and highly reliable product, ideally suited for a wide variety of music and public address applications.
- ❖ 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-250DP to be used as a Booster Power Amplifier.



DPA-1200

120 WATTS • AC & 12V DC OPERATION

- ❖ 5 Mic, 1 Aux, Inputs.
- ❖ Built-in MP3 Player with remote control for USB, SD/ MMC Card Reader.
- ❖ Pre-amplifier and line output for connecting to a Booster Amplifier and for recording the Programme.
- ❖ Electronic tuning stereo FM radio tuner.
- ❖ Active Type Bass & Treble.
- ❖ Attractive appearance design, comfortable.



Power Supply	AC:220-250V 50/60Hz • DC: 12V Car Battery
Power Output	160W Max. 120W RMS at 10% THD
Input Channels	5 X MIC, 1 AUX.
Digital Player	MP3 Player with Remote Control (USB, SD and MMC Card Reader)
Pre-amp/line Output	200mV/600Ω

Tuning Range	FM: 88MHz-108MHz
Frequency Response	50-15,000Hz + 3dB
Signal To Noise Ratio	60dB
Tone Controls	BASS : + 10dB at 100Hz TREBLE : + 10dB at 10KHz
Speaker Outputs	4Ω, 8Ω, 16Ω, 70V & 100V
Weight	10.250 Kg.



DPA-850

80 WATTS • AC & 12V DC OPERATION

- ❖ 4 Mic, 1 Aux, Inputs.
- ❖ Built-in MP3 Player with remote control for USB, SD/ MMC Card Reader.
- ❖ Pre-amplifier and line output for connecting to a Booster Amplifier and for recording the Programme.
- ❖ Electronic tuning stereo FM radio tuner.
- ❖ Active Type Bass & Treble.
- ❖ Attractive appearance design, comfortable.



Power Supply	AC:220-250V 50/60Hz • DC: 12V Car Batt.
Power Output	100W Max. 80W RMS at 10% THD
Input Channels	4 X MIC, 1 AUX.
Digital Player	MP3 Player with Remote Control (USB, SD and MMC Card Reader)
Pre-amp/line Output	200mV/600Ω

Tuning Range	FM: 88MHz-108MHz
Frequency Response	50-15,000Hz + 3dB
Signal To Noise Ratio	60dB
Tone Controls	BASS : + 10dB at 100Hz TREBLE : + 10dB at 10KHz
Speaker Outputs	4Ω, 8Ω, 16Ω, 70V & 100V
Weight	6.500 Kg.



DPA-650

60 WATTS • AC & 12V DC OPERATION

- ❖ 3 Mic, 1 Aux, Inputs.
- ❖ Built-in MP3 Player with remote control for USB, SD/ MMC Card Reader.
- ❖ Pre-amplifier and line output for connecting to a Booster Amplifier and for recording the Programme.
- ❖ Electronic tuning stereo FM radio tuner.
- ❖ Active Type Bass & Treble.
- ❖ Attractive appearance design, comfortable.



Power Supply	AC:220-250V 50/60Hz • DC: 12V Car Battery
Power Output	75W Max. 60W RMS at 10% THD
Input Channels	3 X MIC, 1 AUX.
Digital Player	MP3 Player with Remote Control (USB, SD and MMC Card Reader)
Pre-amp/line Output	200mV/600Ω

Tuning Range	FM: 88MHz-108MHz
Frequency Response	50-15,000Hz + 3dB
Signal To Noise Ratio	60dB
Tone Controls	BASS : + 10dB at 100Hz TREBLE : + 10dB at 10KHz
Speaker Outputs	4Ω, 8Ω, 16Ω, 70V & 100V
Weight	4.750 Kg.



DPM-20

AC & 12V DC OPERATION

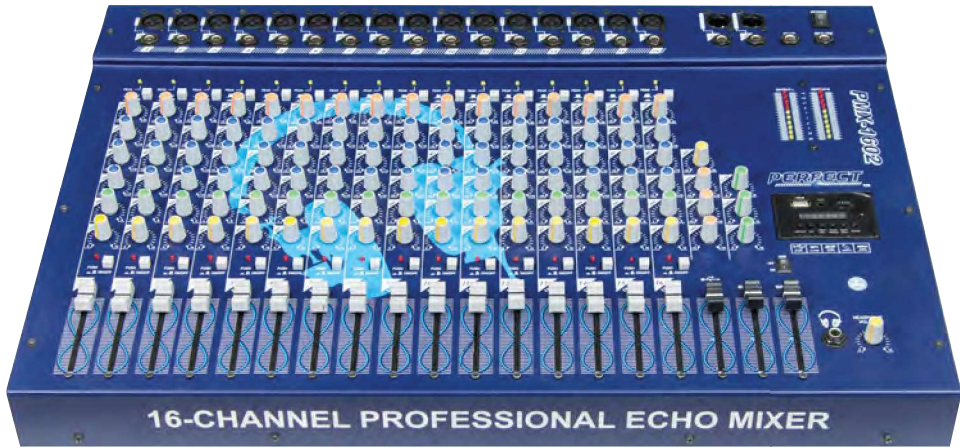


Digital Player with USB port for playback support with any type of Professional power amplifier

MP3 Compatible USB Port.
Built-in SD/MMC Card Slot.
Electronic tuning stereo FM radio tuner.
Connect to any Amplifier, TV, LED, Plasma & LCD Remote control for all Functions.
Provision to Connect Headphone to Monitor Recording with independent volume control.
Output Volume control provided.
Small and Portable.

Note : This is not a CD Player and can not play CD and DVD.

PMX-1602



PMX-1202



PMX-802



- ❖ Professional Live Mixing, Effects and USB Audio in One Mixer.
- ❖ PMX-1602 has 16 MIC balanced input channel.
- ❖ PMX-1202 has 12 MIC balanced input channel.
- ❖ PMX-802 has 8 MIC balanced input channel.
- ❖ PMX-1602 & PMX-1202, PMX-802 in-built MP3 Player with FM, USB & MMC Card Slot with Remote Control.
- ❖ Each channel has provided individual on/off switch.
- ❖ Long-wearing 60mm logarithmic-taper faders on each channel.
- ❖ All MIC input are through 3 pin F/XLR connectors.
- ❖ Channel on/off switch provided on each individual channel. Peak LED for signal clipping indication.
- ❖ Accurate monitoring of Left & Right output levels through individual 10 segment LED array.
- ❖ Internal auto range power supply for maximum flexibility (200-240V AC),
- ❖ Noise-free audio, superior transient response plus low power consumption for energy saving
- ❖ Balanced Main mix outputs with 6.3mm jack and XLR connectors, Separate Headphone and stereo tape outputs.

PSM-601 USB



- ❖ PSM-601 USB Professional 6-channel Ultra Low Noise ECHO Mixer With Digital Media Player.
- ❖ Un-Balanced (Input / Output).6 MIC input alternate to Six stereo LINE/CD inputs.
- ❖ 2-Band EQ on each channel, Gain control on each channel
- ❖ Digital Echo 20-400 Mili Sec.
- ❖ MP3 Player with F.M, USB & MMC Card Slot & With Remote control.
- ❖ Super-smooth Ultra glide faders for easy operation.
- ❖ Headphone monitoring output with 1/4 jack with its volume control.
- ❖ Power Supply: AC 220V 50 Hz.

PSM-66U



- ❖ 6 Channel input for unbalanced low impedance microphone.
- ❖ Digital signal processing for Echo, Reverb, effect.
- ❖ Stereo unbalanced line output.
- ❖ MP3 Player with F.M., USB & MMC Card Slot & With Remote control.
- ❖ MIC-6 & USB Selector Switch.
- ❖ Input Gain: -50dB to 6dB gain range.
- ❖ Output: 0dBm / 17dBm (775mv / 5.5v).
- ❖ Equalization: Bass & Treble +10dB.
- ❖ Controls: Gain, Eq., Pan, echo, Fader.
- ❖ Power Supply: AC 220V 50 Hz.

DM-626USB



- ❖ DM-626 USB Professional 3-channel Ultra Low Noise Dj Mixer With Digital Media Player.
- ❖ 3 MIC input alternate to three stereo LINE/CD inputs.
- ❖ 3-Band EQ on each channel, Gain control on each channel
- ❖ MP3 Player with F.M., USB & MMC Card Slot & With Remote control.
- ❖ Super-smooth Ultra glide faders for easy operation.
- ❖ Super-rugged construction
- ❖ Headphone monitoring output with 6.3mm jack
- ❖ Power Supply: AC 220V 50 Hz.



PAS-150

150 WATTS • AC & 12V DC OPERATION



Power Supply	AC: 220-250V 50/60Hz • DC: 12V Rechargeable Battery
Power Output	150W Max.
Input Channels	3 MIC
Frequency Response	150-10,000Hz
Speaker	1x12"
Tutor	1x2.5"
Impedance	4Ω
Dimensions	W415XH345xD645mm
Weight	5.500 Kg.



PCA-50

50 WATTS • AC & 12V DC OPERATION



Power Supply	220-250V 50/60Hz • DC : 12V Rechargeable Battery
Power Consumption	100VA
Power Output	50W
Input Channel	3 x MIC 0.6mV/4.7K, • 1 x AUX 0.70mV/470K
Digital Player	Mp3 player with remote control (USB, SD and MMC card reader)
Tuning Range	FM: 88MHz-108MHz
Frequency Responses	100-10,000Hz + 3dB
Tone Control	Bass, Trable



PCA-30

30 WATTS • AC & 12V DC OPERATION



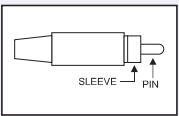
Power Supply	220-250V 50/60Hz • DC : 12V Rechargeable Battery
Power Consumption	90VA
Power Output	30W
Input Channel	3 x MIC 0.6mV/4.7K, • 1 x AUX 0.70mV/470K
Digital Player	Mp3 player with remote control (USB, SD and MMC card reader)
Tuning Range	FM: 88MHz-108MHz
Frequency Responses	100-10,000Hz + 3dB
Tone Control	Bass, Trable

CONNECTORS

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

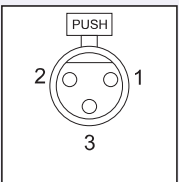
1. RCA Phono Plug

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:

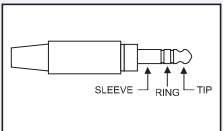
X = Earth (Pin1)
L = Live (Pin 2)
R = Return (Pin 3)

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

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

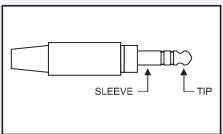
The STEREO plug is used for BALANCED operation and wired as follows :

TIP - Signal +
RING - Signal -
SLEEVE - Screen



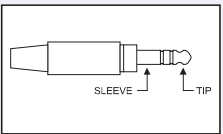
The MONO plug is used for UNBALANCED operation and wired as follows :

TIP - Signal +
SLEEVE - Screen



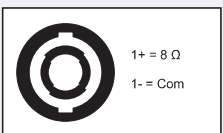
The MONO plug is also used for QUASI-BALANCED operation and wired as follows :

TIP - Signal +
SLEEVE - Signal-, Screen



4. SPEAKON Plug

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



LOUDSPEAKER CABLE SIZE & CONNECTIONS

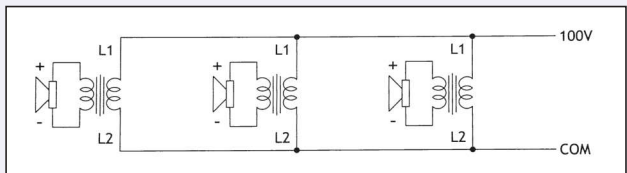
100V Line

When installing a 100V line system, it is important that the correct size of cable is used to connect the speakers to the amplifier. The following chart gives an indication of the maximum cable length which can be used for each type of cable (cables specified by number & diameter of wire in mm)

100V Amp.	24/0.2	32/0.2	48/0.2	128/0.2	122/0.25
30W	800m	1066m	1600m	4266m	6400m
60W	400m	800m	800m	2133m	3200m
120W	200m	400m	400m	1066m	1600m
240W	100m	200m	200m	533m	800m

as the voltage on the line can approach 100 volts, installation must follow best practice with double insulated cable being used. Cable runs should be kept away from any potential source of interference such as 3 phase mains, data, telecom cables etc.

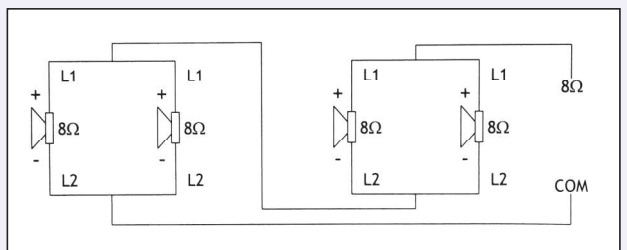
100V Line System must always be wired in PARALLEL:



NOTE: The total load presented to the amplifier must not exceed the rated out put of the amplifier or damage can result.

LOW IMPEDANCE

All the amplifier in the PIYANO range have the facility for connection of low impedance loudspeakers. on low impedance, to minimize power losses, short cable runs are recommended. where it is intended to use multiple low impedance speaker to cover an area, the speakers must be wired in a series/parallel arrangement in such a way to present the correct load to the amplifier.



NOTE: The total load impedance presented to the amplifier must never be below the rated amplifier impedance, otherwise damage can result. to avoid damage to the speakers the total wattage of the driver unit should be at least 30% higher then the rated power out put of the amplifier.

You must NEVER mix 100V line and low impedance speaker on the same system.