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PT330U

300 Watt Public Address Amplifier, w/ 70V Output & Mic Talkover, USB/SD Card MP3 Player, Built-in FM Radio



www.pyleaudio.com

OWNER'S MANUAL

Welcome to PYLE, and thank you for being part of our extended family!

This 300 Watt public address system is perfect for office paging systems, business background music, public gatherings, live DJ parties and any where you need excellent music and sound performance combined with microphone input. Has built in FM tuner to listen to your favorite radio broadcasts or use the USB/SD flash drive memory to play endless Mp3 files. Phono, CD RCA inputs combined with mic 1, mic 2, AUX-IN 1/4" inputs and one 3.55mm AUX-IN input with master volume control and separate gain controls. RCA line level mix-output as well.

This Powerful 1000 Watt PA Amplifier Allows You to Talk Over Your Favorite Mp3s, and FM Radio Broadcast

- * Perfect for Office Paging, Public Gatherings, Live DJ and Any Where You Need to Have Music and Voice Combined
- * Automatic Mic. Talkover Quiets the Music when You Speak into the Microphone
- * Built-in Fm Receiver for Listening to Local Radio Stations
- * USB/SD Flash Drive Memory for Storage and Play of Your Favorite Mp3 Files
- * Master Volume Control
- * Mic 1, Mic 2, AUX IN, 1/4" inputs with Separate Gain Control
- * Stereo 3.55mm iPod/Mp3 input with Separate Gain Control
- * Built in EQ Function and Front Panel Full Bass, Mid, Treble Tone Adjustments
- * Down/Up Play/Pause Song Selection Control for Mp3 and FM Tuner
- * CD and Phono RCA inputs with Separate Volume Controls
- * Mix Audio RCA Output
- * Blue LED 7 Display for FM Tuner and Function
- * 4 ohm, 8 ohm, 70 Volt and 100 Volt Speaker Outputs
- * Rear Panel Telescoping FM Antenna
- * Switchable 110V/220V AC Input
- * Output Power at 10%, 1 kHz: 208 W
- * Maximum Power : 300 W
- * Unit Dimensions: 19" x 7.9" x 3.3" inch
- * Unit Weight: 10.7lbs.

INTRODUCTION

Your New PYLE PT330U AMPLIFIER gives you the power and versatility you need in a professional sound system.

The amplifier's wide frequency response makes it suitable for amplifying music or vocal program material. It can be used for live bands, office paging systems, public announcements, or a variety of other installations.

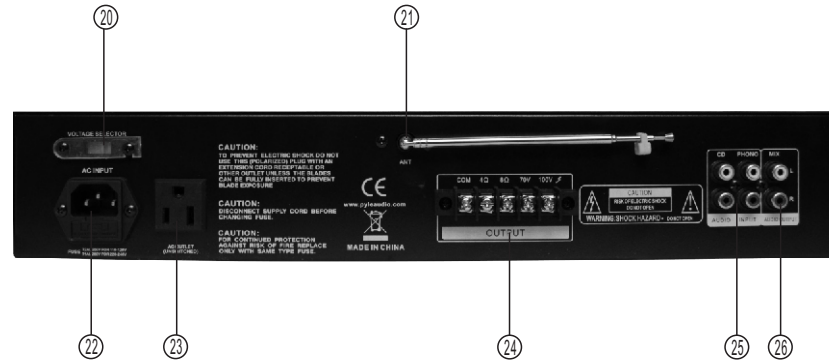
Please read this manual thoroughly before you attempt to set up and use the amplifier. It contains a range of installation suggestions as well as instructions to ensure safe usage. Installed properly, you can expect years of trouble-free service from this product.

FEATURES AND CONTROLS

FRONT PANEL - PT330U



REAR PANEL - PT330U




MODEL:PT330U PAAMPLIFIER

1. MIC1 Volume Control
 - Volume control for MIC1.
2. MIC2 Volume Control
 - Volume control for MIC2.
3. AUX-IN VOLUME CONTROL
 - Allow you to control any high level sound source inputs (by 1/4" Audio Input, 1/8" iPod/MP3 input, and RCA Audio Input to connect any high level sound source inputs).
- 4.IPOD/MP3 Volume Control:
 - Volume control for IPOD/MP3 input
5. CD Input Volume Control:
 - Volume control for CD player input
6. Phone Volume Control:
 - Volume control for phono input
7. MIC1 1/4" Input Jack
8. MIC2 1/4" Input Jack
9. AUX 1/4" Input Jack
 - allow you to connect any high level sound source, such as a CD player, tape deck, or tuner, to the CD/AUX jack.
10. IPOD/MP3 1/8" Input Jack
 - Let you easily connect the computerized MP3 Device (player) sources, such as PC (CD ROM), Laptop, Walkman, iPod, and Cell Phone, iPhone, iPad, ect.
11. BASS Tone Control
 - Lets you adjust the sound of bass frequency to the acoustic of a Particular performance environment.
12. MID Tone Control
 - Lets you adjust the sound of middle range frequency to the acoustic of a Particular performance environment.
13. TREBLE Tone Control
 - Lets you adjust the sound of treble frequency to the acoustic of a Particular performance environment.
14. MASTER Volume Control
 - Lets you adjust the overall sound level.
15. SD/MMC Socket for Playing SD/MMC cards.
16. Function Blue LED Display Window.
- 17.USB Socket for playing the USB function.

MODEL:PT330U PAAMPLIFIER

18. Keys for MP3(USB/SD/MMC) Function Control:

- EQ: Equalizer adjustment for the USB/SD.
- SD/USB: Switch between the USB and SD playing.
- Vol-/VOL+: Adjust MP3(USB/SD) volume- or volume+
-  Power on or off for MP3(USB/SD/MMC)
- DOWN/UP: Song Selection Control both for MP3(USB/SD/MMC) and FM Tuner
- PLAY/PAUSE: Play or Pause control for MP3(USB/SD/MMC) and FM Tuner.

19.Power On/Off for the Whole Machine.

20.110V/220V Voltage Switch

- The amplifier has selectable input voltage from 110V/60Hz which is the standard in USA and CANADA. You can also switch the input voltage to 220V/50Hz for EUROPEAN operation. Pls make sure the switch as above is in the proper position before operating,

21.ANT

- Connect for FM Antennas

22.AC INPUT

- When plug the power supply cable on the machine, pls make sure the switch as above is in the proper position before operating,

23.AC OUTLET

- Unswitched AC Accessory Outlet-300W MAX.

24.Push-Terminal Connectors

- Let you easily connect the speaker wires directly to the amplifiers

25.CD/PHONO Input Jack

- Connect any high level sound source, such as a CD player, tape deck, or tuner to the jacks

26. MIX BUS Jack

- Connect another public addressing amplifier like PT110/PT210/PT330U/PT730U/PT930U to this jack to double the size of your PA system.

INSTALLATION GUIDELINES

Connecting the GND (GROUND) screw terminal

If you connect a low level audio input source (turntable) to the PHONO, please connect your turntable's ground wire (usually black or green) to the amplifier's GND terminal, to avoid a low frequency hum.

You can also use this screw to ground any other system connection.

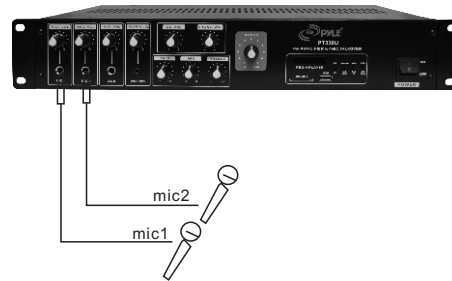
Input connections

The PT330U accept a board range of input sources, including:

- Microphones (up to two simultaneously)
- Compact Disc (CD) player
- Cassette, Reel-to-Reel or other tape player
- Radio Tuner
- Magnetic Cartridge Turntable

Connecting microphones

The MIC 1 and MIC 2 jacks permit you to connect two microphones with 6.35mm plug.



Connecting a turntable

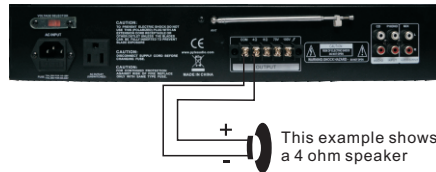
In this Situation, set the PHONO and AUX/CD SELECTOR switch to the PHONO.

Speaker connections

One or more speakers (4 or 8 – Ohm) speakers can be connected to the amplifier with or without transformers. However, before you connect any speaker to the amplifier, the total speaker impedance must be calculated in order to avoid damage to the amplifier. A total speaker impedance greater than 8 Ohms or less than 4 Ohms can cause this damage to occur. To begin with, in order to ensure equal volume from each speaker, all connected speakers should have the same impedance.

A proper total impedance with the 4 to 8 Ohms range can be achieved by combining series and parallel speaker connections. Please see the diagrams which follow the same impedance.

Finally, always use the shortest length of speaker wire possible of proper gauge. Usually, 18-gauge wire is adequate for lengths under 25 feet, while 16-gauge is used for greater lengths.

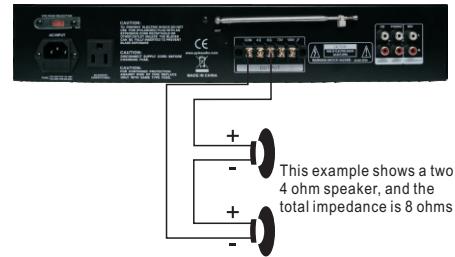


System 1: Single speaker system

- 1.Connect the speaker (-) terminal to the amplifier COMMON terminal
- 2.Depending on the speaker being used, connect the speaker (+) terminal to the amplifier's 4-Ohm or 8- Ohm amplifier terminal.

System 2:Two (or more) speakers in series

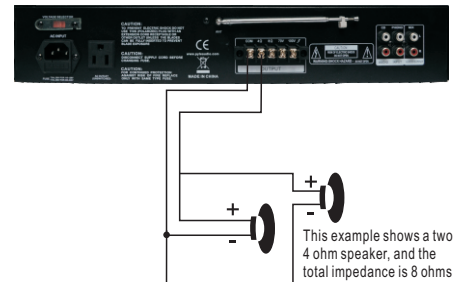
- 1.Connect the LEFT SPEAKER (-) to the amplifier COMMON terminal.
- 2.Connect the LEFT SPEAKER (+) to the RIGHT SPEAKER (-).
- 3.Connect the RIGHT SPEAKER (+) to the amplifier's 4-Ohm or 8-Ohm terminal, depending on the TOTAL IMPEDANCE of the two speakers.



TO THE 8-OHM TERMINAL

System 3:Two (or more) speakers in parallel

- 1.Connect the LEFT SPEAKER (-) to the RIGHT SPEAKER (-).
- 2.Connect BOTH the LEFT SPEAKER (-) and the RIGHT SPEAKER (-) to the amplifier COMMON terminal.
- 3.Connect the LEFT SPEAKER (+) to the RIGHT SPEAKER (+).
- 4.Connect BOTH the LEFT SPEAKER (+) and RIGHT SPEAKER (+) to the amplifier 4-Ohm or 8-Ohm terminal, depending on the TOTAL IMPEDANCE of the two speakers. If each speaker has an impedance of 8-Ohm, the total speaker impedance in this parallel configuration is 4 Ohms.

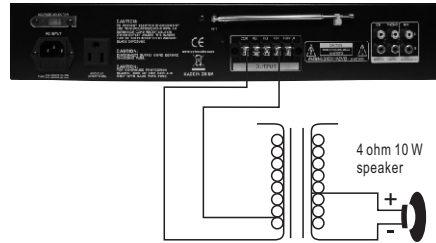


System4: Connecting speakers with transformers

1. Locate the input taps on your transformer. These taps are on side of the transformer, and are rated in watts, 10, 5, 2.5, 1.25 or 0.62. Usually, each speaker in a system uses the same wattage tap.
- Connect the selected tap to the amplifier 70V RMS terminal.
- If you wish a particular speaker to have a higher volume level, connect the wire from 70V RMS to a higher wattage tap on the transformer.
2. Connect the transformer's COMMON tap on the primary side to the amplifier COMMON terminal.
3. Connect the speaker's (+) terminals to the transformer's secondary tap that matches the speaker's TOTAL IMPEDANCE. Locate on the opposite side of the transformer, these secondary taps are outputs, and are rated in Ohms 4 or 8 .
4. Connect the speaker's (-) terminals to the transformer's COMMON tap on the secondary side.

NOTE: Before connecting the speakers, please be sure the total wattage of the primary tap you use does not exceed the amplifier's maximum power rating .

ALSO: Avoid, where possible, multiple connections to the 70V RMS and COMMON terminals.



Specifications

Output Power at THD 10%, 1 kHz**50W**

Maximum Power**300W**

THD at 1W, 1 kHz Low-Pass Filter

MIC 11%
 MIC 21%
 AUX/ CD1%

Frequency Response (at 1W, +/- 3 dB)

MIC 180 Hz - 20 kHz
 MIC 280 Hz - 20 kHz
 AUX/ CD80 Hz - 20 kHz

Input Sensitivity (at 10% THD, 1kHz)

MIC 12.5 mV
 MIC 22.5 mV
 AUX/ CD150mV

Signal-Noise Ratio (Input Shorted) with WTD

MIC 160dB
 MIC 260dB
 AUX/ CD70dB

Noise Level (Input Shorted)0.75mV

Equalizer Control Range

100 Hz +/- 10 dB
 1 kHz +/- 10 dB
 8 kHz +/- 10 dB

Power Requirement

120V AC, 60 Hz/ 240V AC, 50 Hz

Power Fuse

120V AC 2 A
 240V AC 1 A

Dimensions H x W x D,

19"x7.9"x3.3" (inches)

Weight, (kg)

10.6 lbs