

ORATOR

Portable Stage/PA Speaker

PAP10



Read this manual carefully to ensure safe operation and to get excellent acoustics from the speaker.

Troubleshooting:

A. Speaker:

1. No function light & no sound.
 - Ensure the power button is turned on.
Ensure the power adapter is properly connected to wall power & plug properly inserted to speaker.
Ensure the battery is charged.
2. Function light is on but no sound.
 - Make sure the cable inputs are properly connected into correct sockets.
Make sure you have selected the correct input/mode.
Check that output device is operating OK if external device.

B. Wireless Microphone

1. The Receiver is turned on but the indicator light is not lit?
 - Make sure if the DC power cable is properly fitted into the power socket & the DC cable is firmly fitted into the Receiver.
2. When you turn on both the Receiver & Transmitter (Microphone or Beltpack), the RF light does not come on.
 - The RF light should come on when both transmitter & receiver are on & the frequencies are matched. Check the power indicator light is on in the Receiver & the Transmitter is not showing "Low Battery". If OK, then check that the frequency is matched & reset if necessary.
3. When you speak into the Microphone, no sound is heard from the Amplifier/ Speaker.
 - Make sure the volume on the Receiver is turned up, and check that the audio (6.3mm) cable is properly installed.
4. The audio output signal is not very good.
 - Check that you have installed the antennae.
Check that the Transmitter battery is not too low..
Check that the Receiver is within range & not obstructed by too many solid objects.
Perhaps there is a strong interference in your area & you need to change frequency.
5. The quality of the sound is not good.
 - Check that the Transmitter battery is not too low..
Perhaps there is a strong interference in your area & you need to change frequency.

Supplied By: Audio Visual Engineering Pty Ltd
PO Box 7119, Wilberforce NSW 2756
Phone: (02) 8207 3141 Mobile: 0438 676 558
Email: info@audiovisualengineering.com.au

USER MANUAL

Dear Customer,

Conratulations on your purchase of the **ORATOR** PAP10 speaker. This speaker incorporates the latest features including Australian approved UHF wireless microphone technology (optional wireless microphone), MP3 Player, Bluetooth, 100W RMS of power output, and plenty of connections for input to and output from the speaker. It is powered by a low voltage power adaptor for maximum safety.

Safety/Warning Notes:



For any service and repair, contact ABI as per the details below. Do not attempt to remove the amplifier or to replace any parts without first contacting ABI or a qualified service agent.



To prevent fire or electric shock, do not expose this speaker or the power supply to rain or moisture.



If you connect to an external battery, ensure the terminal cables are connected positive to positive & negative to negative, or you will damage some electronic components & the internal 12V fuse.

How to Use Bluetooth Function:

1. Turn the speaker on.
2. Press "Mode" (7) button until "Bluetooth" displayed.
3. In Bluetooth setup on your transmitter device (phone, etc), select "BT Speaker".
4. The speaker will "beep" when the bluetooth connection is successful.
5. You can now start streaming your music.

MP3 Player Operation:

An MP3 player is included and is operated by the controls in the top right of the Amplifier panel (8). Note that the music format **MUST** be MP3 or the player will not work.

Specifications of the PAP10:

Speaker Unit:	1 x 10" bass + 1 x 3" treble
RMS Output:	100W
Impedance:	8 ohms
Frequency Response:	50Hz - 20 kHz
Separation:	>48 dB
S/N ratio:	> 92 dB
Inputs:	2 x Microphone (6.3mm) 1 x Guitar (6.3mm) Line In (2 x RCA) Wireless UHF Microphone (built in receiver) MP3 (USB or SD) Bluetooth (built in receiver)
Outputs:	Audio (2 x RCA)
Power:	15V 4A
Wireless Microphone:	UHF, 100 selectable frequencies, PLL, range 520 - 694 MHz, 32 MHz switching bandwidth, 100kHz channel grid, 30mW RF power output. Diversity Receiver.

Care of the Speaker/Accessories Management:

We suggest you keep the plastic bag supplied as a dust cover for use with the PAP10.

Moving/Mounting the Speaker:

The PAP10 has a hand slot at the top for transport and lifting, plus a 35mm mounting socket under the base of the speaker. Tripods stands and wall mount brackets are available to suit this socket, for easy speaker mounting.

For any service or operation queries, contact ABI or your local **ORATOR** Dealer.
ABI can be contacted on 02.9938 6866 or info@abimage.com.au.

Additional Speaker:

If you want to add an additional speaker for extra volume output, we recommended the passive **ORATOR** PA10 speaker that is manufactured for this purpose. The PA10 is connected using the audio output (RCA) connectors.

Audio Input:

If you want to input audio from another audio player, such as an external DVD or music player, use the audio input (RCA) connectors.

Microphone (cable) Input:

The PAP10 is fitted with 2 microphone input connectors (MIC1 and MIC2) that enable you to connect a traditional cable microphones. The input volume can be controlled by the M. VOL (2) control knob.

Guitar (cable) Input:

The PAP10 is fitted with a guitar input connector (GT1) that allows you to connect an electric guitar. The input volume can be controlled by the GUITAR.VOL (1) control knob.

Echo Function:

The PA101 is fitted with an echo function that is normally only used for music (karaoke) operation. If used for normal speech, the audio can sound a little distorted so we recommend the control being left at -.

Audio Control:

The PAP10 has 3 control knobs for basic audio functions. The VOLUME (6) control is the Master Output volume controlling the output volume. Bass (4) and Treble (5) controls allow you to create the balance between Bass & Treble in the output that you desire. For normal operation, it is recommended that both are centred (12 o'clock position).

Rear Panel of the PAP10 Speaker:



- | | |
|---|-------------------------------|
| 1. USB/SD Input | 8. Treble Volume |
| 2. LED screen | 9. Bass Volume |
| 3. Repeat:AUX/MP3/Bluetooth
MP3 Next Song
MP3 Play
MP3 Prev Song
Mode:Aux/MP3/Bluetooth | 10. Echo Volume |
| 4. Audio 1 Input | 11. Main Volume |
| 5. Audio 2 Input | 12. Microphone 1 Input |
| 6. DC 12V Input | 13. Microphone 2 Input |
| 7. Input Volume | 14. Output to passive speaker |
| | 15. Speaker Power on/off |
| | 16. UHF Mic Antenna |
| | 17. Wireless Mic Volume |
| | 18. UHF Micro Power on/off |

Wireless Microphone Operation (Optional):

Frequency: The new **ORATOR** wireless UHF microphone system has been re-designed to meet the Australian Government's new laws, commencing Jan 1 2015, relating to legal frequencies that can be used for wireless microphones in Australia. The system has the choice of 100 frequencies, all within the legal 520-694 MHz range. The actual frequency being used is displayed on your microphone display screen. The receiver has been built into your speaker but the optional wireless microphone must be purchased to use the wireless microphone system.

Frequency Selection: The UHF band is not only used for wireless microphones. Other equipment operating locally on the same frequency may cause interference. Digital TV is the most common problem for microphones and as the frequencies used by TV channels varies by location, a frequency that may work well in one area, may be subject to interference elsewhere. Usually, once you select a frequency that works well in your area, it shouldn't need changing unless you are moving around the country.

Microphone System Operation: The receiver module in the speaker has an on/off switch. It also has an input volume control knob, connector for the aerial, frequency channel display screen, and 3 small buttons with Up, Down & IR labels. There are also 2 small LEDs, one labelled RF & 1 labelled IR (see pic). The RF light will be lit when the microphone & receiver are "paired" on the same frequency. To change frequency & then "pair" with the microphone, press the Up or Down buttons to move to another frequency as required, then press the IR button. The screen will display a dashed line. The microphone IR receiver (small clear area below power button) must be held close to the Receiver IR LED. The system should now be paired. The microphone must be in position quickly, so if the pairing does not work (if the RF LED is not bright), then try again.



Microphone Operation: The microphone is battery operated. Press the Power button to turn on/off. The frequency will be displayed on the screen. To replace the battery, remove the bottom black cover by turning the cover anticlockwise. The microphone uses 2 x AA batteries.

