

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 & Microphone, 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

ORATOR

Portable PA Speaker

PA101



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

Dear Customer,

Congratulations on your purchase of the **ORATOR** PA101 speaker. This speaker incorporates the latest features including Australian approved UHF wireless microphone technology, MP5 DVD player, MP3 Player, Bluetooth, FM Radio, 80W RMS of power output, rechargeable battery & plenty of connections for input to and output from the speaker. It is powered by a low voltage power adapter 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 an authorised 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.



To maximise the life of your rechargeable battery, the battery should be recharged at least every 3 months. If left uncharged, the battery life may be seriously damaged.

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:

Note there are 2 x MP3 players included. The player in the top right of the Amplifier panel (8) is recommended and is controlled by controls 7. Note that the music format MUST be MP3 or the player will not work. The second MP3 player (26) included in the DVD can also be used, but is controlled via DVD controls (14).

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.

Battery Replacement:

The battery is located in the compartment at the bottom of the rear of the speaker, under the Amplifier panel. Simply press the latch lock to open. The battery is then easily accessible. When replacing the battery, ensure that the same battery type is used, & that the positive (red) & negative (black) terminal connections are correctly replaced.

Specifications of the PA101:

Speaker Unit:	1 x 10" bass + 1 x 3" treble
RMS Output:	80W
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) FM radio (built in receiver) DVD, DVD, SVCD, MP4, WMA, VCD, DVCD, CD, JPG
Outputs:	Video (Yellow RCA) Audio (2 x RCA)
Power:	15V 4A
Battery:	12V 7Ah
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 have included a dust cover for use with the PA101. This is designed to cover the speaker when not in use, to protect the speaker from any dust. Also your accessories (power adapter, wireless microphone & remote control) can be stored in the pocket of the cover to ensure the accessories are together with the speaker.

Moving/Mounting the Speaker:

The PA101 has a pull up handle & wheels for easy transport; a handle for lifting, & a 35mm mounting socket under the base of the speaker. Tripods stands & wall mount brackets are available to suit this socket, for easy speaker mounting.

FM Radio Operation:

The FM radio is incorporated into the DVD. To operate the radio, select FM on the mode button (12). Use buttons 13 or 14 or move up/down through channel station frequencies to select the FM station you want. A long press will search until it finds a station & will then stop.

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 (10) 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 (9) connectors.

Microphone (cable) Input:

The PA101 is fitted with 2 microphone input connectors (MIC1 and MIC2) that enable you to connect traditional cable microphones. The input volume can be controlled by the M. VOL (2) control knob.

Guitar (cable) Input:

The PA101 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 PA101 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).

Battery Operation:

There are 3 LED lights next to the MIC input connectors that display the status of the battery. The top white LED shows that the battery is being charged. The centre red LED shows that the battery needs charging & the bottom green light shows that the battery is adequately charged. Ensure that the battery is charged at least every 3 months to maximise the life of the battery.

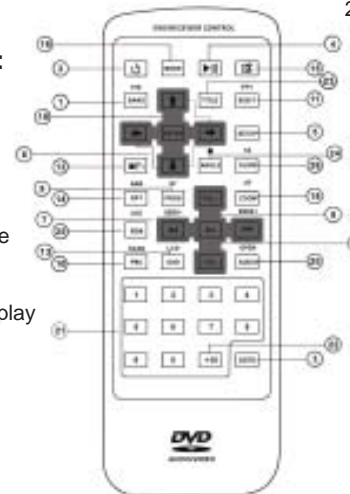
Rear Panel of the PA101 Speaker:



1. Guitar Volume
2. Microphone (cable) Volume
3. Echo Volume
4. Bass Volume
5. Treble Volume
6. Main Volume
7. Repeat:AUX/MP3/FM/Bluetooth
8. MP3 Next Song
9. MP3 Play
10. MP3 Prev Song
11. Mode:Aux/MP3/FM/Bluetooth
12. USB/SD Input
13. Audio Input
14. Audio Output
15. Video Output
16. Mode Switch:SD/USB/FM
17. Eject Button(EJ)
18. REW/UP SEARCH/Select Station Play/Pause
19. FWD/DOWN SEARCH/Select Station
20. DVD Player Power on/off
21. Channel Switching
22. UHF Micro Power on/off
23. Speaker Power on/off
24. DC Power Input 12V
25. Guitar Input
26. Microphone Input
27. DC 12V Input
28. DVD Volume +/-
29. MP3/MP5 Switch
30. EQ Setting
31. DVD Player USB/SD Input
32. UHF Mic Antenna
33. Wireless Mic Volume

DVD Remote Functions:

1. Band: Change radio band
2. Power button
3. Playing time settings
4. Pause
5. Setup: Displays setup menu
6. Cursor buttons in menu mode
7. Volume +/-
8. Changes audio mode
9. Pregram tracks/chapters to play
10. Select playback control
11. Change subtitle language
12. Selects segment to repeat
13. On screen display



14. Autostore radio stations
15. Mute
16. Change from disc to radio
17. Skip track/chapters
18. Zooms the picture
19. Input button
20. In discs, changes tracks
21. Numeric buttons
22. Selects 10th digit
23. Shows disc title
24. Changes view angle
25. Random play
26. Slows play speed.

Wireless Microphone Operation:

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.

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.



DVD MP5 Operation:

1. This DVD player is compatible with DVD, SVCD, MP4, WMA, VCD, DVCD, CD and JPG formats. The operation of the DVD is the same as other common DVD players.
2. Using the DVD requires additional battery use and it will reduce the operation time of the battery speaker, compared to microphone only, bluetooth or MP3 use.
3. Video (11) and audio (10) output connectors are available so that the DVD can be seen & heard on another device (LED TV, projector, etc) if required.



DVD Remote

