

PULSE

APS Series Portable PA System **APS12PA & APS15PA**





Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the Pulse APS series portable PA unit. This versatile portable PA unit is packed with features in a compact, manageable enclosure and is suitable for a wide array of applications ranging from public address for presentations to outdoor karaoke.

Package Contents

Please check the contents to ensure that the product has been received in good condition.

If you find any accessory is missing or the product has arrived with any problems, please contact your retailer at once.

- APS portable PA unit
- 2 x VHF handheld microphones
- Mains power lead
- IR Remote control for media player

This product contains no user-serviceable parts so make no attempt to try to fix or modify this item yourself as this will invalidate the warranty. We recommend you keep the original package and proof of purchase for any possible replacement or returned demand.

Warning

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture. To prevent electric shock do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Safety

Prior to connecting mains, check the supply voltage is correct and the mains lead is OK.

Avoid ingress of water or particles into the enclosure.

If the mains or D.C. fuse blows, refer the unit to qualified service personnel

If the VHF microphones are to be unused for a long period of time, remove the batteries and store for later use.

Placement

Keep the unit out of direct sunlight and away from heat sources.

Place the unit in an upright position during use and storage.

Keep the unit away from moisture or dusty environments.

Cleaning

Use a soft cloth with a neutral detergent to clean the cabinet, panel and controls.

To avoid damage, do not use solvents to clean this equipment.

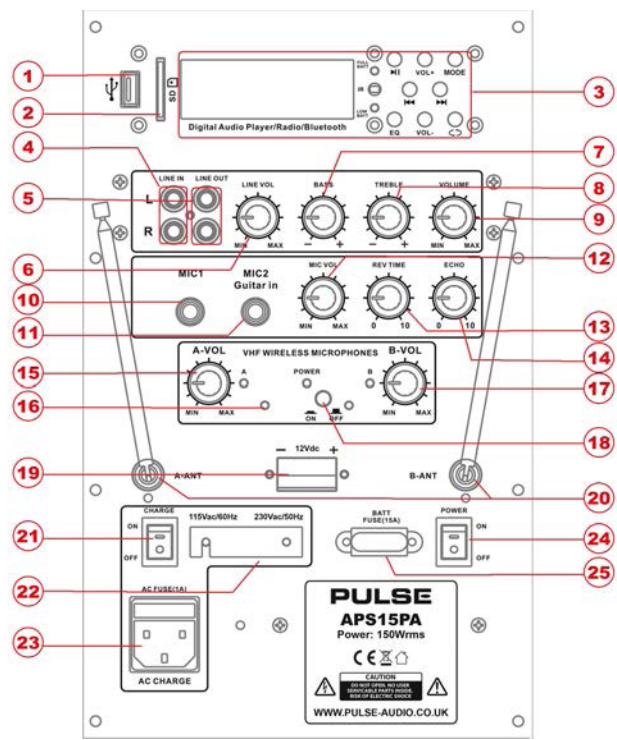
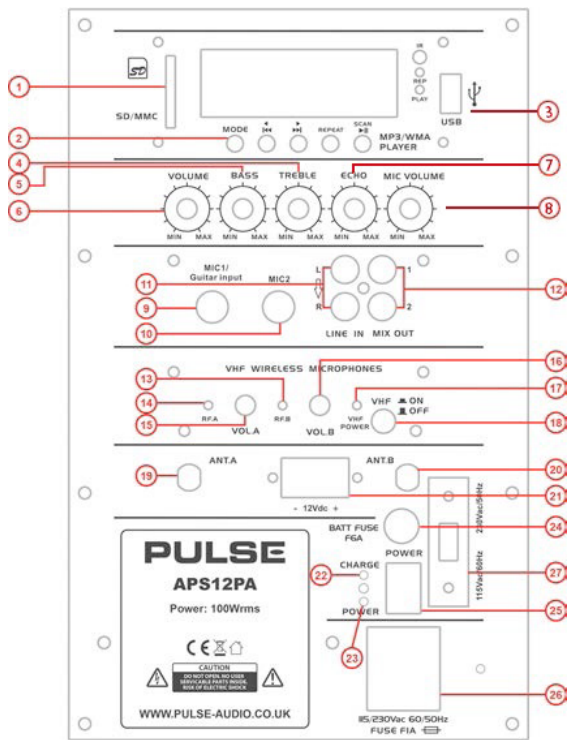
Powering up

Your new APS portable PA unit may arrive with you with the internal battery charged. Before connecting to the mains, switch the unit on and see if the power LED lights. If not, you will need to charge the battery before using away from a mains supply.

When not in use but connected to the mains, if the POWER switch is in the OFF position, the internal battery will be re-charged from the mains supply. This can be observed by the CHARGE LED which lights when charging. Connect the PA unit to the mains using the appropriate mains IEC lead supplied. You may otherwise opt to connect the DC input at the rear to an external 12Vdc supply (e.g car battery) or use the internal battery if charged.

Turn the VOLUME controls down (anti-clockwise) and turn the POWER switch on (the power LED should light). BASS and TREBLE controls should remain pointing vertically (12-o-clock position). Turn up the VOLUME control part way .

Controls



	APS12PA		APS15PA
1	SD/MMC card slot	1	USB port
2	USB/SD/FM player	2	SD card slot
3	USB port	3	USB/SD/FM player
4	Treble EQ control	4	Line input (RCA)
5	Bass EQ control	5	Line output (RCA)
6	Master volume control	6	Line control
7	Echo EQ control	7	Bass EQ control
8	Wireless mic volume control	8	Treble EQ control
9	Mic 1 input (jack)	9	Master Volume
10	Mic 2 input (jack)	10	Mic 1 Input (Jack)
11	Line input (RCA)	11	Mic 2 Input (Jack)
12	Line output (RCA)	12	Mic In Volume
13	VHF RF indicator	13	Delay time control
14	VHF RF indicator	14	Echo level control
15	VHF A volume control	15	Wireless mic volume
16	VHF B volume control	16	VHF RF indicators
17	VHF power indicator	17	Wireless mic volume
18	VHF power switch	18	VHF on/off
19	Antenna socket	19	DC power input
20	Antenna socket	20	Antenna socket
21	DC power input	21	Battery charge switch
22	Battery charge indicator	22	Mains voltage selector
23	Power indicator	23	Mains inlet and fuse
24	Battery fuse socket	24	Power switch
25	Power switch	25	Battery fuse socket
26	Mains inlet and fuse		
27	Mains voltage selector		

VHF Wireless Microphones

Extend the 2 VHF antennas at the rear of the unit on the PA (these are detachable when not in use) Insert the supplied 9V batteries into the handheld microphones by carefully unscrewing the base of each and connecting the "+" and "-" terminals or the battery to the corresponding contacts inside the microphone body, taking care to observe the correct polarity.

With the wireless mic volume controls turned down, press the VHF wireless system on/off power button to ensure it is in on position. Switch on each wireless mic in turn – the RF LEDs should light as a result. If the LED on the transmitter lights dimly, change the battery. Gradually increase the VHF VOL control, testing each microphone in turn for output through the speaker. Take care not to incur "feedback" (howling or screeching sound through the speaker) by keeping the microphone a sensible distance from the speaker and pointing away from the speaker so that it doesn't *hear* the speaker output.

Turning the ECHO control clockwise introduces an echo function for singing and special effects. The time parameter of this effect can be adjusted using the REV TIME control.

Master BASS and TREBLE can be cut by turning the relevant control anti-clockwise or boosted by turning clockwise. When not in use, switch the wireless microphones off.

External Inputs

In addition to the APS PA's own VHF microphones, 6.3mm jack inputs are provided to connect external wired or wireless microphones, which are both governed by the MIC VOL control.

Also, twin RCA input are provided for line input sources such as CD player or digital audio player. To use these, set the MODE switch on the USB/SD/FM player to "LINE IN" The line input is governed by the main VOLUME control at the top of the panel.

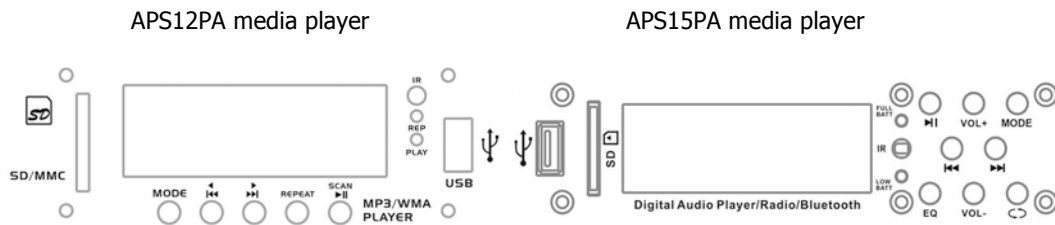
Adjacent to the twin RCA input is a twin RCA line output carrying the overall main mix. This can be fed on to further active speakers or portable PA units via a twin RCA lead.

Internal USB/SD/FM player

Insert a USB memory stick or an SD card with compressed digital audio files stored on it into the relevant slot on the rear panel.

Increasing the VOLUME control should result in the audio being played through the speaker.

Panel controls are detailed below...



"MODE"	switches input between internal USB/SD/FM and AUX input
"VOL -"	press and hold to decrease volume
"I<<"	momentary press for previous track / FM station
"VOL +"	press and hold to increase volume
">I"	momentary press for next track / FM station
"REC"	Enter record mode
">II"	Play / pause track
"REPEAT"	Repeat all / Random / Repeat one
"EQ"	EQ preset select

In addition to the panel controls, an infra-red remote control is provided for the USB/SD player which adds some further functions to allow greater control over the media player. To operate, remove the clear plastic tab from the remote to activate the battery.

Bluetooth™ Connection

These PA units are fitted with a Bluetooth receiver, which can be paired with a Bluetooth enabled audio device. Ensure that your audio device and your portable PA are both switched on and Bluetooth is activated.

On the portable PA, press MODE button on your media player until "Bluetooth NOLINK" shown on display. The portable PA is now available for Bluetooth connection (discoverable).

Scan for Bluetooth devices on your phone or other audio device and check for a device called "Portable PA". For first time connection, you will be required to enter password 0000 you're your device and you should now be connected via Bluetooth to the Portable PA. Play audio from your phone or other Bluetooth device and check for output through the PA.

If there is no output, check if there is more than one device in range called "Portable PA"

In the eventuality that more than one device is called "Portable PA", try each device in turn until the correct PA is found.

Check also that the volume level is turned up on the sending device.

Once audio is playing through the APS-PA from Bluetooth, adjust the master volume control to the required volume

Bluetooth on the APS PA can only pair to a single device at any one time and should be operable over a range of 5 to 8 metres.

Specifications

	APS12PA	APS15PA
Power supply	115/240Vac Switchable / external 12Vdc / Internal rechargeable battery	
Main driver	300mm (12") - 100Wrms/200Wmax	380mm (15") - 150Wrms/300Wmax
HF unit	34mm titanium compression driver	44mm titanium compression driver
VHF mic frequencies	173.8MHz + 175.0MHz	
Bluetooth version	v2.1	
Dispersion	90° x 60° (H x V)	
Amplifier output (RMS)	50W + 50W (LF + HF)	100W +50W (LF +HF)
Battery life	Up to 8 hours	
Dimensions (WxHxD)	410 x 585 x 350mm	480 x 675 x 400mm
Weight	15.7kg	22kg

Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check battery is not drained fully
	Check mains lead is connected
	Check mains or D.C. fuse hasn't blown
Power LED lit but no VHF output	Check 9V batteries in wireless transmitters
	Check wireless transmitters are switched on
	Check VHF POWER is switched on
	Check MIC VOLUME is not turned down
	Check RF A and RF B LEDs for radio signal
Power LED lit but no USB/SD player output	Check USB or SD has correct audio files on
Power LED lit but no USB/SD player output Power LED lit but no sound from external inputs	Check USB or SD is connected properly
	Press MP3/LINE button and try >II button
	Check VOLUME is not turned down
	Press and hold "VOL +" button
	Check LCD display to see moving numbers
	Check leads are OK and connected properly
Power LED lit but no sound from external inputs	Check volume and on/off switch on external mic or line source
	Check VOLUME or MIC VOLUME control is not fully down
	Does "LINE IN" show on LCD for AUX input? (Press MP3/LINE)



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

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Errors and omissions excepted.
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