

# PULSE+



## MIXER AMPLIFIER

CVA35 and CVA60

**Please read these instructions carefully before use and retain for future reference.**

## **IMPORTANT SAFETY INFORMATION**

- When using electrical appliances basic safety precautions should always be followed.
- Check the condition of the mains lead before use.
- There are no user serviceable parts inside. Do not open the casing.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting to the mains power supply.
- Do NOT connect this device to the power source, before the system is fully and correctly wired.
- The device is not completely disconnected from power source when it is switched to "OFF".
- For safety, please disconnect the device from the mains power if it is not in use or any connections to the speaker outputs are required or before any component is removed from or re-installed to the device or before any electrical connector to the device is disconnected or reconnected.
- Do not expose the unit to rain or moisture or liquids of any sort, as doing so may result in damage.
- Do not install near heat sources such as radiators, ovens, or other devices that produce heat.
- Install in a well ventilated space to allow good heat dissipation.
- Never block the cooling vents.
- Do not operate in locations where excessive vibration or high dust levels are prevalent.
- If the unit is not in use for a long period of time, switch the power off and disconnect from the power supply.
- Before cleaning, switch off the power and disconnect from the power supply.

## **WHATs IN THE BOX**

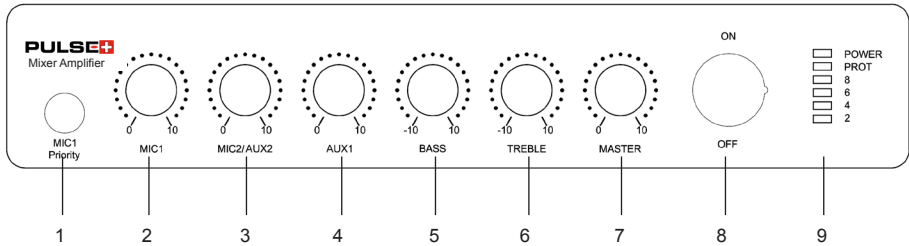
- |                                   |         |
|-----------------------------------|---------|
| • Amplifier Unit                  | 1 item  |
| • User Manual                     | 1 copy  |
| • 1.8m Power Cord                 | 1 item  |
| • Wire /1500mm/ audio line        | 1 item  |
| • Green plug/2ERJK3.81-2P         | 5 items |
| • Locking green plug/2ERJK5.08-4P | 1 item  |

## **FEATURES**

- 2 channel microphone input.
- 1 channel emergency microphone input.
- 2 channel aux input.
- 1 channel aux output.
- 100V / 70V constant voltage output and 4Ω ~ 16 Ω constant resistance output.
- DC24V standby input power socket.
- 48V phantom power.
- Individual and master volume control for microphone and auxiliary inputs.
- Master tone control for treble and bass.

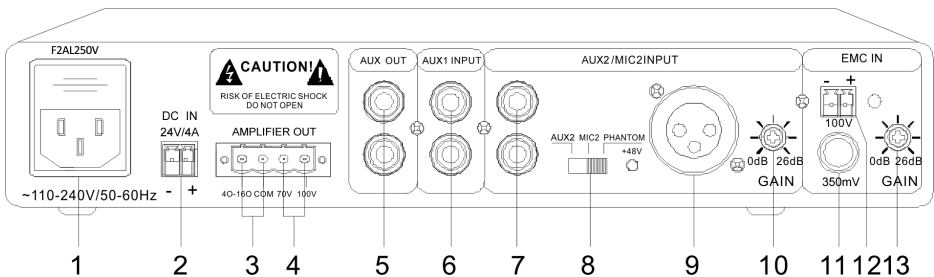
## PRODUCT OVERVIEW

### Front Panel



1. MIC1 input socket - With highest priority
2. MIC1 Vol adjustment - turn clockwise for Vol+, turn anticlockwise for Vol-.
3. MIC2/AUX2 Vol adjustment - turn clockwise for Vol+, turn anticlockwise for Vol-..
4. AUX1 Vol adjustment - turn clockwise for Vol+, turn anticlockwise for Vol-.
5. BASS adjustment - Master tone control, clockwise rotation is for Bass+, anticlockwise rotation is for Bass -.
6. TREBLE adjustment - Master tone control, clockwise rotation is for Bass+, anticlockwise rotation is for Bass -.
7. MASTER Vol Adjustment - Master control for electrical level of all signals, clockwise rotation is for Vol+, anticlockwise is for Vol-.
8. Power switch.
9. LED Indicator.

### Rear Panel



1. Mains socket - AC~110-240V/50-60Hz Power input
2. DC24V input - DC 24V stand-by power input connector.
3. 4-16Ω speaker output terminals.
4. 70/100V speaker output terminals.
5. AUX output connector.
6. AUX1 input connector.
7. AUX2 input connector.
8. Audio source selection switch for AUX2-MIC2 - slide to choose AUX2 or MIC2
9. MIC2 input connector.
10. MIC2 gain adjustment.
11. EMC Emergency input (350mV, 6.3mm jack connector).
12. EMC Emergency input (100V, Phoenix connector).
13. EMC gain adjustment.

## SPECIFICATION

Model		CVA35	CVA60
Rated Output Power		35W (Note: Please use a constant voltage speaker within the power range)	60W (Note: Please use a constant voltage speaker within the power range)
Sensitivity	MIC IN	5mV	
	AUX, EMC	350mV	
Noise	MIC	≥60 dB	
	AUX, EMC	≥70 dB	
Frequency Range	MIC	100Hz-10kHz	
	AUX, EMC	80Hz-16kHz	
THD		≤0.2% (1kHz, 1/3 output voltage)	
Operating Temp		-20°C - 50°C	
Speaker Outputs		COM 4-16Ω, 70V/100V, 24V input	
AUX Output		1V RMS	
Tone	Bass	±10dB (100Hz)	
	Treble	±10dB (10kHz)	
2 MIC (MIC1 with priority)		MIC1 input by 6.3 jack socket MIC2 by XLR socket	
Voltage		AC220V/50Hz	
Rated Power Consumption		52W	78W
Dimensions (L×W×H)		206×250×44mm	
Net/Gross Weight		3.1kg/2.45	

## CLEANING AND MAINTENANCE

- When cleaning, use a soft dry cloth to remove any dust that may have accumulated.
- Use a damp cloth and a small amount of liquid detergent if necessary.
- Do not use any chemicals, abrasives or solvents that could damage the unit.



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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Made in China  
PR2 9PP

PO Box 13362 Dublin 2