



PA Amplifier

Order Code: CPA-2005



User Manual

COBRA CPA-2005

Dear Customer,

Thank you for purchasing the COBRA CPA-2005. Cobra is one of the leading manufacturers of professional equipment and has decades of experience in design and production.

To meet all your requirements, this unit has been designed and built to the highest of standards so you can be assured you have made a good investment.

Please read this manual fully for your safety and to take full advantage of the COBRA CPA-2005.

Product Description:

The Cobra CPA-2005 Amplifier is designed for PA installations in schools, shops, bars, factories or anywhere where a flexible announcement and music system is required. 100 Volt line can be connected to each of the zones and turned on/off as required.

Four auxiliary line inputs are provided for connecting music sources and can be switched from the front panel. 3 Microphones can also be connected via either jack or XLR and can be phantom powered 9-48 volts if the rear panel switch is selected. Other features include a chime button, siren and automatic voice over music on Mic channel 1.

Safety Advice:

1. Read manual completely before using this product.
2. Keep manual for future reference.
3. Carry and transport this product with care as violent mechanical shock or dropping this product will damage it mechanically.
4. The manufacturer takes no responsibility for injury or damage caused as a result of not following the manual provided.

Protection from Electric Shock:

1. Do not connect the AC power plug to the unit before connecting your loudspeakers.
2. Only connect this unit to a mains socket with suitable trip protection and RCD protection.
3. Never pull the mains cable to disconnect from the mains socket – always pull by the mains plug.
4. Always disconnect the unit from the mains before cleaning. Cleaning should be carried out with a soft, dry cloth.
5. Do not expose this unit to any liquids. Do not operate near exposed water or high humidity.
6. Choose a suitable route for mains cables, ensuring the mains lead is not a trip hazard or at risk from being crushed.
7. Do not open unit to service. There are no user serviceable parts inside the unit and this will void your warranty.

Protection from Fire:

1. Do not place near sources of heat.
2. Do not block any ventilation holes.
3. Check your AC wall socket will take the load you are applying to avoid any overloading.

Protection from Injury and Damage:

1. Never try to modify this unit.
2. Always install the unit in a suitable location where vibrations to the unit are avoided.
3. Check this unit matches the mains voltage and frequency before plugging it in to your mains socket.
4. If any liquids or objects have entered the unit, switch it off immediately and consult a qualified engineer.
5. If the unit malfunctions or there is damage to the mains cable, disconnect immediately and consult a qualified engineer.
6. All parts should be replaced with genuine spare parts and carried out by a qualified engineer.

Unpacking:

1. The box should contain a CPA-2005 and user manual.
2. If there is any damage or missing parts, please contact your dealer immediately.

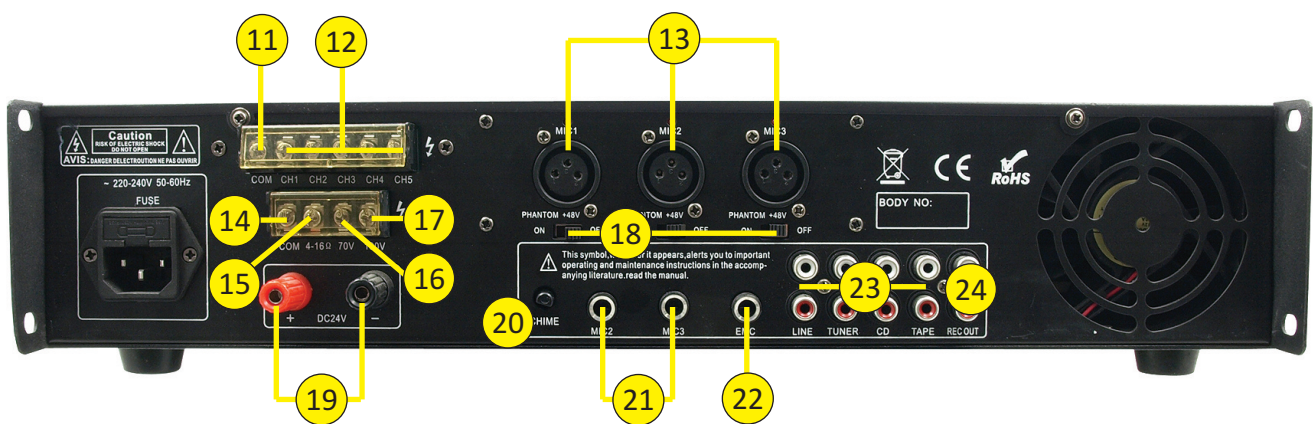
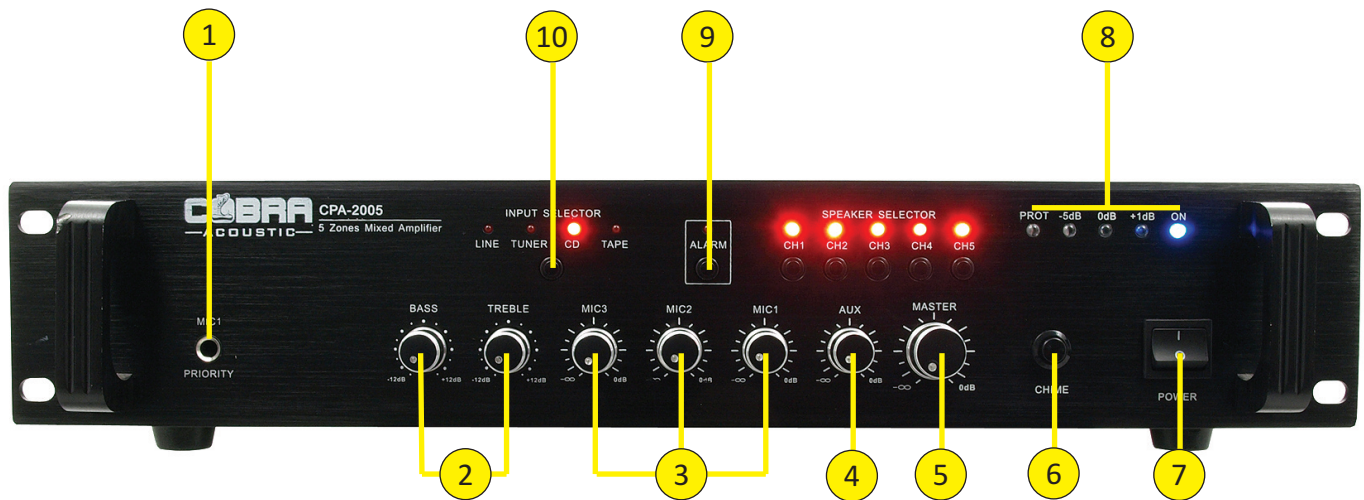
Specifications:

Power supply:	AC 230 volts 24 volts DC
Power 4 ohms:	150W RMS
Output options:	4-16 Ohms/100V/70V 5 x 100 volt outputs
Mic. Input:	2-4mV 600 Ohms
Aux. Input:	775mV 15k Ohms
Equalisation:	± 12dB
Dimensions:	485 x 450 x 100mm
Weight:	12.2kg

Features:

The CPA-2005 is a Amplifier suitable for powering conventional 4-16 Ohm or 100 volt line loudspeakers. Features include:

1. 150 Watt rms output
2. 70/100 volt line or 4-16 Ohm output
3. 5 separate 70/100 volt line outputs
4. 3 Microphone inputs with XLR or Jack input
5. XLR inputs ca be switched to provide pantom power
6. 1 Microphone with talkover
7. 4 Auxillary line inputs *Line/CD/Tuner/Tape*
8. Bass and treble controls
9. Chime with level control
10. Switched alarm sounder
11. Record or line output for banking amplifiers
12. 24volt DC power option.



Controls and connections:

1. Microphone input 1 with talk-over ¼" 6.35mm jack
2. Bass and treble controls
3. Microphone volumes
4. Auxiliary input volume
5. Master volume
6. Chime button
7. On/off switch
8. Zone On/off switches
9. Alarm switch
10. Input selector switch
11. Common connection for loudspeakers
12. Zone 1-5 connection for loudspeakers
13. XLR microphone inputs
14. Common connection for loudspeakers
15. 4-16 Ohm loudspeaker connection
16. 70 volt line loudspeaker connection
17. 100 volt line loudspeaker connection
18. On/off switches for phantom power
19. 24 volt DC power input
20. Chime volume
21. Microphone inputs 2 & 3 ¼" 6.35mm jack
22. Alarm input signal
(mutes music and microphones when signal is present)
23. Auxillary inputs RCA - phono
24. Record output RCA - phono

Notes:

1. Use either jack or XLR inputs for microphones, not both together.
2. Do not turn the phantom power on unless your microphone needs this to work. Check the microphone specification for this.