REF: ACBAM 120RJ

5-zone power amplifier – 120 W

AXCEB

Issue 3 09/15 TM



PRODUCT INFORMATION

Description

This zone amplifier allows the switching of up to 5 loudspeaker and general call zones as well as the adjustment of the volume according to the needs for each zone from the central unit. (rackmount amplifier)
The ACBAM120RJ amplifier will be optimized by using the ACBAMPTTRJ, ACBAM5Z and ACBWALL5Z microphone desks.

It is possible to integrate a sound source module inside the unit: ACBAMFM, ACBAMCDU, ACBAMN 6T.
Possibility of using output n°4 to broadcast in single zone mode and at full power.

Technical characteristics

POWER OUTPUT: 100 V: 4 Ω: MAX :	 120W RMS
DISTORTION RATE:	< 3% @ 1KHz
SENSITIVITY - INPUT IMPEDANCE MIC/LINE 1 to 3 LINE 4-5 AMP INPUT CALL PAGING INSERT	 2.5 – 250 mV, 5 KΩ, balanced 250 mV, 15 KΩ, unbalanced 775 mV, 10 KΩ, unbalanced 250 mV, 5 KΩ, balanced 250 mV, 10 KΩ, unbalanced
EXITS SPEAKERS 0dB RECORDER	 5 x 100 V / 2 x 4 Ohms 775 mV at 3 KΩ, unbalanced 775 mV at 100 Ohms, unbalanced
BANDWIDTH:	55 – 16,0000Hz, -3dB
SIGNAL TO NOISE RATIO: LINE : MICROPHONE :	 > 80 dB (rated) > 70 dB (rated)
OPERATING TEMPERATURE	0 to 40° C
FEED USE RESCUE	 230V / 50Hz 24V
CONSUMPTION RESCUE	340VA 15A
DIMENSIONS	482 x 133 x 352 - 3 U
WEIGHT:	13kg

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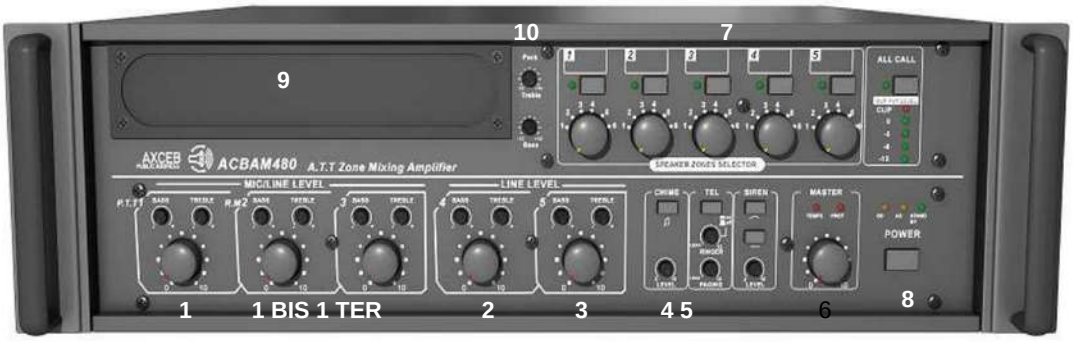
Controls - front panel



1	Volume & bass / treble control PTT1 – Adjusting the level of input 1 and the ACBAM5Z microphone console
1 BIS	Volume & bass / treble control REMOTE 2 – Adjustment of the level of input 2 and the microphone console ACBAM5Z
1 TER	Volume & bass / treble control "3" – Adjusting the level of input 3
2	Line input level controls – Input 4 and 5 volume adjustment + bass / treble tone control
3	Chime - Broadcast and level adjustment
4	Telephone ringtone – Broadcast telephone ringtone through the public address system
5	Siren – button ~: siren in repeat mode and button -: siren in continuous mode
6	Volumemaster
7	Loudspeaker zones and level adjustment per zone – Individual adjustment of the output level of each zone
8	Switching on the device
9	Slot for inserting an audio source
10	Bass/Treble Controls – Audio Sources

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Controls – rear panel



1	Priority setting switch for microphones 1, 2 and 3
2	RJ45 input to connect the ACBAMPTTJ microphone for remote control and chime
3	balanced Mic / line inputs 1, 2, 3 with settings (-10 / - 50 dB)
4	Auxiliary line inputs
5	Output for recording device connection
6	0 dB output for additional amplifier
7	Output of the 5 line zones 100 v or 4 Ω switchable and adjustable by attenuator
8	Output 4 Ohm or line 70 / 100V
9	Telephone input - 10 dB
10	" 1st priority message" terminal block socket for broadcasting message no. 6 (M6) from the message bank of the ACBAMN6T
11	220V & 24V batteries
12	Remote control for switching the amplifier on and off
13	IEC C13 mains power socket
14	Terminal block for radio antenna connection
15	RJ 45 input for cascading 10 ACBAM5Z 5-zone microphone consoles

Features

..... Compliant with guidelines:

- 89/366/EEC relating to electromagnetic compatibility
- 73/23/EEC relating to low voltage.

..... RoHS Compliant

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ACBAMPTTRJ

Push to talk call microphone

ACBAM5Z

Microphone desk for 5 zones

You want to install an ACBAMPPTRJ emergency call station microphone

By pressing the “Talk” key, you activate the amplifier and broadcast your call to the 5 zones at maximum power.

You want to install a call station with restoration of the level on all the attenuators

By pressing the "Talk" button, you control the commissioning of your amplifier, the restoration of the levels on the attenuators and the broadcasting of your message at high power maximum.

You want to ensure the broadcast of a general security priority message at maximum power

The external control associated with the 6th message automatically broadcasts your call for power over the 5 zones maximum.

You wish to broadcast 6 messages in manual or automatic control

Using the ACBAMN6T insert, you can record and broadcast the messages of your choice. (Technical or comfort alarms.)

You want to quickly and simply connect 10 consoles by bus

The RJ45 - LINK and INPUT sockets fitted to each console allow you to cascade all of your consoles.
In case of simultaneous calls, priority is given to the priority microphone.

You want to make a telephone call via your sound system

By connecting your telephone line to the telephone input of the ACBAM120RJ, you can make your calls.

You need more power on one of your 100V lines

An amplifier can be connected to each 100V line output of your ACBAM120RJ amplifier, thus providing additional power.

Speakers

It is possible to connect 100 V loudspeakers per group for each zone to the SPEAKER ZONES terminals (26) or a group of loudspeakers with a total impedance of at least 4 ohms to the LOW IMP terminals (28).
Take care to observe the polarity: connect the Plus connection of the 100 V loudspeakers or of the low impedance loudspeaker group.
respectively to the upper bound. The Plus connection of the loudspeaker cable is always marked.

Attention ! Each of the five zone outputs can receive a maximum 100WRMS load from the speakers. Under no circumstances should the total permissible load be exceeded:

ACBAM120RJ: 120WRMS
ACBAM240RJ: 240WRMS
ACBAM480: 480WRMS

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