

# USER MANUAL

## AS-630R

SET OF 2 SPEAKERS · 2x 30W  
[1 ACTIVE + 1 PASSIVE]



**MAJORCOM:**

Manual to download in PDF format on [www.majorcom.fr](http://www.majorcom.fr)

## Summary :

1. introduction .....	3
2. Installation .....	5
3. Connection .....	6
4. Remote control .....	7
5. Specifications .....	8
6. RS-232 .....	8

## 1. Presentation

Stereo active speaker 2x30W, 1 active + 1 passive, jack 3.5 and Euroblock input, remote control, black. AS-630R speaker set include a 6" driver and a 1.5" tweeter.

The integrated amplification provide a power of 2x30W. She had 2 audio for all 0dB audio signal allow you to connect for example one video projector a mixing console.

The infra-red provided remote control allow you to control most of setting for an easier use.

The RS-232 port allow management of the speaker from an automation device.

This pair of speakers is perfectly suited to the following applications:

- Class room
- Meeting room
- Projection room
- In addition of television



1 : Active speaker

2 : On Off switch

3 : power supply input

4 : On Off / Signal indicator

5 : Treble / Bass adjustment

6 : Passive speaker output

7 : Balanced audio input **L & R**

8 : Jack 3.5 stereo input

9 : Operating mode selector 2x MONO or STEREO

10 : Maximum output level setting

11 : RS-232 port

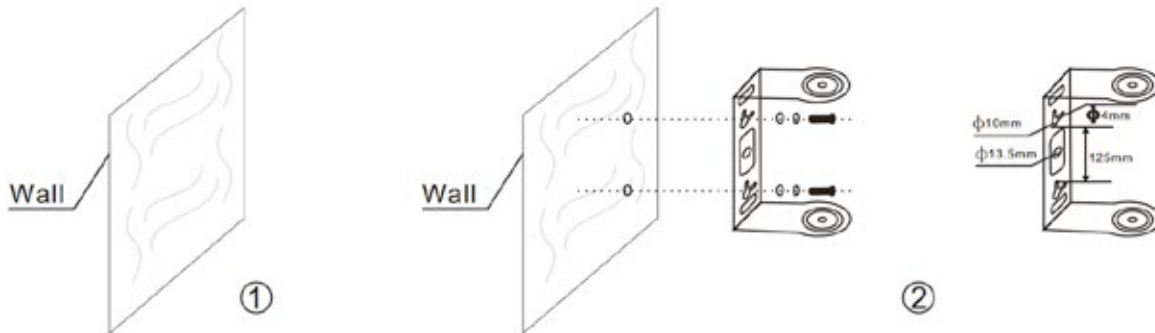
12 : VCA input

13 : Passive speaker

14 : Active to passive connection

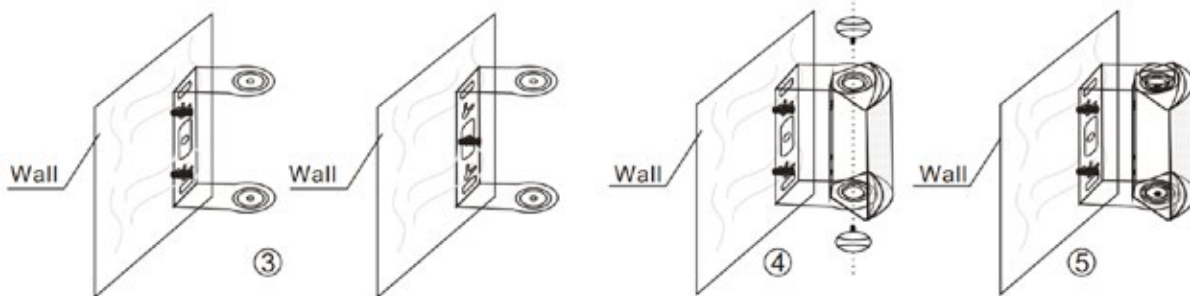
15 : Remote control

## 2. Installation



**1** Speaker weight is heavy, we must use a strong bear, to avoid unstable speaker dropping or causing personal injury.

**2** (As shown in picture) Use measuring tools to measure the distance between the hole size of the speaker accessories and the hole, and use the crews that match the hole to fix the speaker accessories on the wall.



**3** Choose either one of two installation methods for wall speakers.

**4** Put the speaker into the wall accessories which already installed, the two upper and lower speaker holes aligned with the other two nuts with accessories. Please use the screws which accordance with speaker hole, then fix well.

**5** Complete the installation process.

### 3. Connection.

- Check that the on / off switch # 2 is in position 0.
- Check that the potentiometer # 10 is at minimum.
- Connect the mains cable between a power supply and the socket # 3.
- If you use an unbalanced stereo audio connection, connect your 3.5mm mini-jack cable to input # 8. Note: This type of connection is not recommended for distances > 5m.  
If you are using a balanced audio connection, connect your wires as follows:

+ Hot                      - Cold                      **GND** Gound (cable screen)

- If your audio link is not balanced stereo and has only one signal, connect your cable to the L input.
- It is possible to use both inputs. The choice of one or both of them is made from the remote control.
- In the previous case where only one symmetrical audio signal is connected to the L input, make sure that button # 9 is on.
- Switch ON / OFF switch # 2 to position I. LED # 4 should light.
- Make sure your audio source sends an audio signal (LED # 4 should flash) and set potentiometer # 10 to the desired maximum level. This setting limits the maximum level that the remote control can reach.
- If necessary, adjust the bass and treble levels with the keys # 5.
- If you are using a remote volume control (VCA), make sure that the wire corresponding to the cursor is wired to the middle of the 3-pin connector.
- If you are using an RS-232 link, make sure that the TX and RX of the speaker connector match the TX and RX of your device.

#### 4. Remote control.




ON: Turn on the speaker.

ST.BY (standby): Standby the speaker.

INPUT A: select the audio signal on INPUT A.

INPUT B: select the audio signal on Jack 3.5mm input.

INPUT A+B: Select the 2 audio signal A & B en mixing.

LEVEL  : increase the level. The level will not be able to exceed the level previously set using the potentiometer n° 10.

LEVEL  : decrease the level.

MUTE : Turn off the sound by going down the audio level to a minimum.

BASS + : Increase the bass level until +10dB.

BASS - : Decrease the bass level until -10dB.

TREBLE + : Increase the treble level until +10dB.

TREBLE - : Decrease the bass level until -10dB.

## 5. Specifications :

Model	AS-630R
Input power	2x30W @8Ω
Input sensitivity	0.350V
Frequency response	80Hz-16KHz/1W, ±3dB
THD	1kHz/1W, 0.1%
S/N ratio	85dB
Channel Isolation degree	>65dB
Amplification type	D class
Indicating type	Power supply / Signal
Protection type	Over heat protection, overload protection, mute switch
Treble adjustment	±10dB
Bass adjustment	±10dB
Input type	European terminal balance, stereo 3.5 jack
RS232	RS232 input on EUROBLOCK
VCA	VCA input on EUROBLOCK
Remote control	infrared remote control
Adapter power	~110V-240V 50/60Hz
Dimensions (WxDxH)	216 x245 x295mm
Weight	6.5Kg (one pair)

## 6. RS-232 :

Serial communication protocol format:

Header + Length + Function Code + Data + Validation + Tail

Baud rate: 9600

Header byte: 0xaa

Tail byte: 0xaf

Length: the number of all bytes

### Master volume

1) Function code: 0x01 Controller configure the volume

Data: volume value; 0x00 to 0x1e

Example:     aa 06 01 1e 19 af  
               aa 06 01 09 0e af  
               aa 06 01 00 07 af

2) Function code: 0x81 Controller query the volume

Data: Supplement the data by 0x00

The extension reply the current volume

Example:     aa 06 81 00 87 af



**Input audio source channel**

1) Function code: 0x02 Controller configure the input channel

Data: Channel; 1: Channel A; 2: Channel B; 3: Channel A + B;

Example:     aa 06 02 01 05 af  
               aa 06 02 02 06 af  
               aa 06 02 03 07 af

2) Function code: 0x82 Controller query the input audio channel

Data: Supplement the data by 0x00

Extension reply the current input channel

Example:     aa 06 82 00 84 af

**Treble**

1) Function code: 0x03 Controller configure the treble

Data: treble value; bit4: 0 represent +, 1 represent -; The lower four bits of the byte represent the dB value. Range is -10 to +10, each grid 2db change.

Example:     aa 06 03 08 0d af  
               aa 06 03 16 13 af  
               aa 06 03 00 05 af

2) Function Code: 0x83 Controller query the treble

Data: Supplement the data by 0x00

Extension reply the current treble value

Example:     aa 06 83 00 85 af

**Bass**

1) Function code: 0x04 Controller configure the bass

Data: bass value; bit4: 0 represent +, 1 represent -; the lower four bits of the byte represent the dB value. Range is -10 to +10, each grid 2db change.

Example:     aa 06 04 08 0a af  
               aa 06 04 16 14 af  
               aa 06 04 00 02 af

2) Function code: 0x84 Controller query the bass

Data: Supplement the data by 0x00

Extension reply current bass value

For example: aa 06 84 00 82 af

**Mute**

1) Function code: 0x05 Controller configure the mute

Data: 0: Open volume output; 1: Mute

For example: aa 06 05 00 03 af  
               aa 06 05 01 02 af

2) Function code: 0x85 Controller query whether mute or not

Data: Supplement the data by 0x00

Extension reply whether it's mute or not currently

For example: aa 06 85 00 83 af

**Factory reset**

1) Function code: 0x06

Data: Supplement the data by 0x00

For example: aa 06 06 00 00 af

**Boot Standby**

1) Function code: 0x07 Controller configure boot standby

Data: 0: Boot; 1: Standby

For example: aa 06 07 00 01 af

aa 06 07 01 00 af

2) Function code: 0x87 query boot standby status

Data: Supplement the data by 0x00

Extension reply whether it's mute or not currently

For example: aa 06 87 00 81 af

**Testing online status**

1) Function code: 0x88 PC query online status

Data: Supplement the data by 0x00

If extension is online, then send back this instruction

For example: aa 06 88 00 8e af



# AS-630R

**SET OF 2 SPEAKERS [1 PASSIVE + 1 ACTIVE] · 2x 30W**

User manual