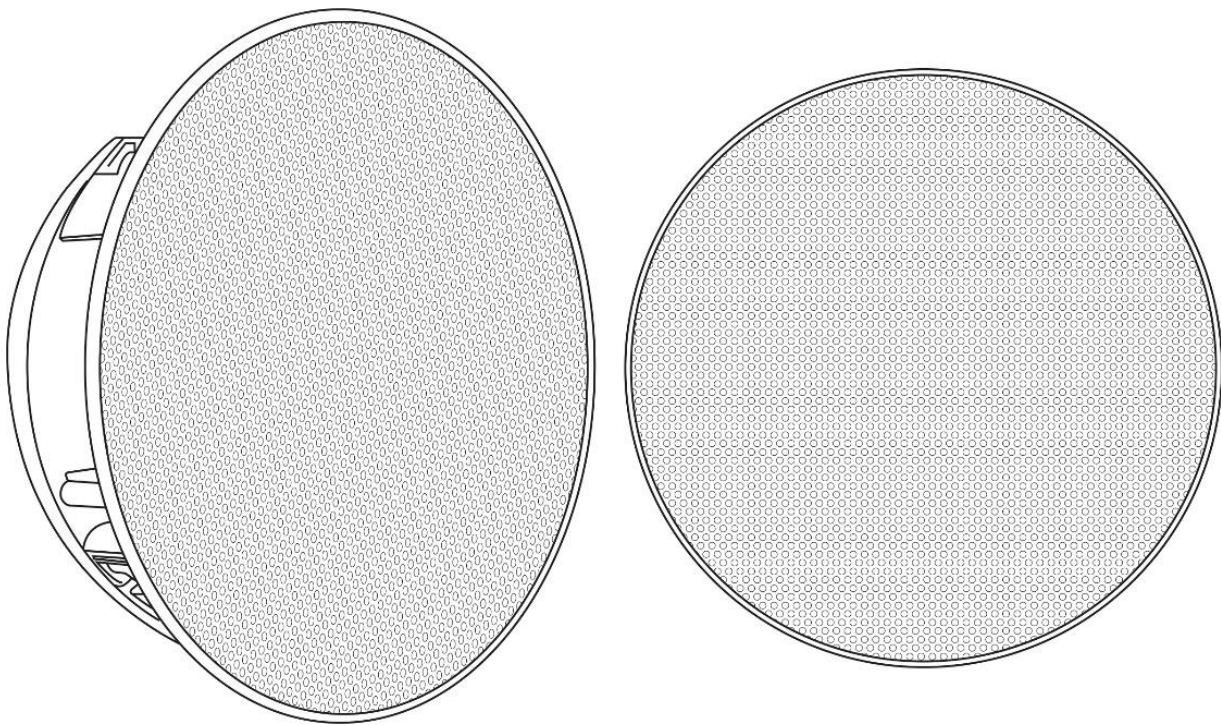


TCP Control Guide for WI-Fi MWCA 402 audio receivers

User Manual – Version 1.0



TCP Control Guide for WI-Fi audio receivers

-Connect the device to the local network, via the WiiM Home application, or via your web server, by connecting directly to the open network* of the WI-Fi receiver or speakers, the factory IP address is 10.10.10.254 with a subnet mask, 255.255.255.255.0.

*The network belonging to the device model may not be open, so perform a factory reset.

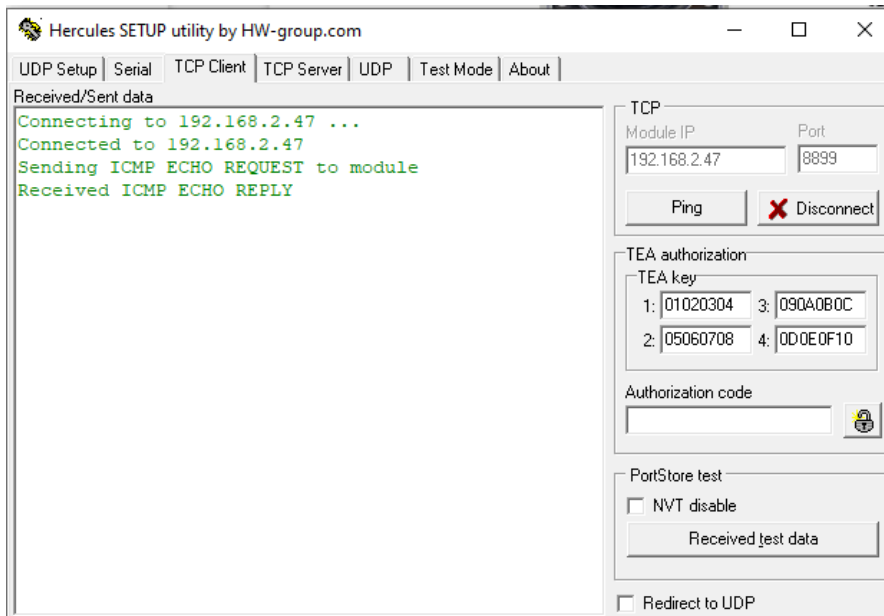
-To find out the IP address, navigate in the application to the Network Status menu.



Through its web Server this is the IP address of our device, which will be provided by the DHCP server of our router or switch.

Wifi		Status
Status	System	Network
- Version Information		
SSID:	smart audio_9E85	
Device Name:	smart audio_9E85	
Language:	en_us	
Firmware Version:	release 3.6.5014.9	
Release Date:	20171114	
UUID:	FF31F0122080FD5F8784401E	
Wireless IP:	192.168.2.47	
Ethernet IP:	0.0.0.0	

-How to send TCP commands Get a program like Hercules HW. Configure in the TCP Client tab the IP address and the port in this case will be 8899. Make the connection and generate a PING to check that a connection is established.



-Type the desired command in the Send box, making sure whether the command is written in hexadecimal or ASCII.

Format of the message:

Header	4	0x18, 0x96, 0x18, 0x20
Length	4	Complete value of the byte with the smallest message length weight e.g. 0x0b, 0x00, 0x00, 0x00, 0x00, 0x00 for an 11 byte message*.
Checksum	4	Sum of all bytes in the message**.
Reserved	8	0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00
Message	N	Command to send

* 0xb=11 bytes in most commands respects XXX+YYYYY+ZZZ 11 characters.

** Can be replaced by 0x00, 0x00, 0x00, 0x00, 0x00 if no acknowledgement is needed.

Example of message volume setting to 50%:

0x18, 0x96, 0x18, 0x20, 0x0b, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xc1, 0x02, 0x00, 0x00, 0x00, 0x4d, 0x43, 0x55, 0x2b, 0x56, 0x4f, 0x4c, 0x2b, 0x30, 0x35, 0x30.

Message (ASCII)	Description
MCU+VOL+GET	Returns the current volume
MCU+VOL+nnn	Adjusts the system volume [0-100]
MCU+MUT+nnn	000 activates, 001 mutes, returns mute state
MCU+PAS+EQSet: treble:n&	Adjust treble: n[0-9], centre is 5
MCU+PAS+EQSet: Bass:n&	Adjust bass: n[0-9], centre is 5
MCU+PAS+EQGet&	Returns treble and bass settings
MCU+POW+OFF	Turn off device
MCU+PLM+nnn	Select the sound source: 000:Wi-Fi Mode 004:Local memory 005:AUX in 006:Bluetooth 008:Optical
MCU+PLM+GET	Devuelve la fuente seleccionada
MCU+PLY+PUS	Play/pause, returns the mute and playback value
MCU+PLY-PUS	Pause, will return when previous state is play
MCU+PLY-PLA	Play, will return when the previous state is pause
MCU+PLY-STP	Stop, clears current list and returns to playback state
MCU+PLY+GET	Returns playback status
MCU+PLY+NXT	Next on the list
MCU+PLY+PRV	Previous on the list
MCU+KEY+nnn	Call a preset (001 for preset #1)
MCU+KEY+NXT	Call the following preset



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