

MR-400M

Hand-held wireless microphone



- Receiver MR-400
- Hand-held microphone MH-403
- Power Supply
AC/DC 100-240V 50/60Hz

Description

Wireless handheld microphone and receiver set. Designed to offer freedom of movement without worrying about distances or interferences.

- Automatic synchronization of receiver / transmitter frequencies.
- Microphone with built-in LCD screen.
- Noise reduction filter for spurious frequencies.
- Suitable for small and medium sized installations.

Technical characteristics

System Parameters

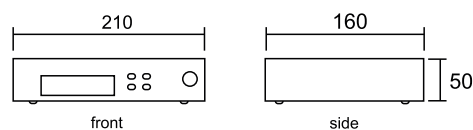
Frequency range	620-640.70MHz
Signal frequency	250KHz
Frequency stability	$\pm 0.005\%$
Dynamic range	100dB
Frequency response	40Hz - 18KHz (± 3 dB)
S/N Ratio	>105db
THD	$\leq \pm 0.5\%$
Working distance	100m aprox. in open spaces

Receiver

Mode	PLL
Audio output	0-300mV
Sensitivity	-105dB
Max. Output level	
Balanced	0-400mV
Unbalanced	0-200mV
Power supply	12~ 15V DC Power supply
Connection	XLR balanced Jack 6.35mm unbalanced

Transmitter

Stability	10 PPM
RF Output Power	10 mW
Microphone capsule	Dynamic
Power supply	2 batteries AA 1,5V
Battery life	6-8 hours



Dimensions in mm



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UNIÓN DESARROLLOS ELECTRÓNICOS

Tel.: +34 934 772 854 / +34 609 914 787 • ude@udeaudio.com • BARCELONA - SPAIN

www.udeaudio.com

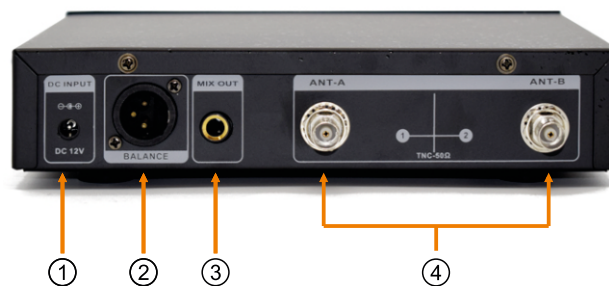
rev.1 | 610.567A | 1 / 3

Front panel



- | | |
|---|----------------------------|
| ① Antenna x 2 | ⑦ Decrease |
| ② Selected frequency | ⑧ Volume |
| ③ Increase | ⑨ Frequency signal level |
| ④ Frequency /Channel adjustment | ⑩ Selected channel |
| ⑤ On / Off | ⑪ Microphone battery level |
| ⑥ Microphone / receiver synchronization | ⑫ IR sensor |

Rear panel



- | | |
|-----------------------------------|----------------------------------|
| ① DC input | ③ 6.35mm jack unbalanced output. |
| ② XLR balanced output. Balanceada | ④ Antenna inputs x2 |



Preliminary

- Screw in the two antennas on the rear panel and place them in a vertical position for a better reception of the signal.
- Connect the included power supply to the MR-400 receiver.
- Connect the audio cable to the output on the rear panel. XLR (balanced) or 6.35mm Jack.

Frequency synchronization

- Turn on the wireless microphone MH-403.
- With the receiver on, press the **SET** button two times in a row. The channel indicator on the display of the MR-400 receiver will blink.
- Select the frequency (channel) using the buttons **UP** and **DOWN**. Once the selection is made, press **SET**. The channel will be memorized and will be shown in a fixed form.
- With the wireless microphone about 10-15cm from the receiver, press the **SET** button on the receiver to start the synchronization. During this process **SYNC** will be shown on the MR-400 display.
- The pairing process will end when the same frequency appears on the MH-403 microphone display.
- To automatically search for a free or low interference channel, press the **ACT** button, the receiver will scan of channels and will stop at a free one. While searching, **SCAN** will be displayed on the screen.



Microphone gain adjustment

To adjust the microphone gain, press the **UP** and **DOWN** buttons on the MR-400 receiver.

Auto mute

The MH-403 handheld microphone incorporates an automatic mute function, whereby the microphone activates the mute automatically at the moment it detects lack of movement.

To activate the automatic mute of the handheld microphone, press and hold for approximately 10 seconds after turn off until the legend **ON** and the symbol  appears.

To deactivate the automatic mute mode of the handheld microphone, press and hold for approximately 10 seconds after turning off until the legend **OFF** and symbol  appears.

When the word **AUTO** appears at the bottom left of the display of the MH-403 microphone, the automatic mute remains activated.

When no word appears at the bottom left of the hand mic display, the mute function remains disabled.

We recommend checking the battery level of the MH-403 microphone before of its use, consulting the display of the MH-403 microphone itself.