

MR-201/M

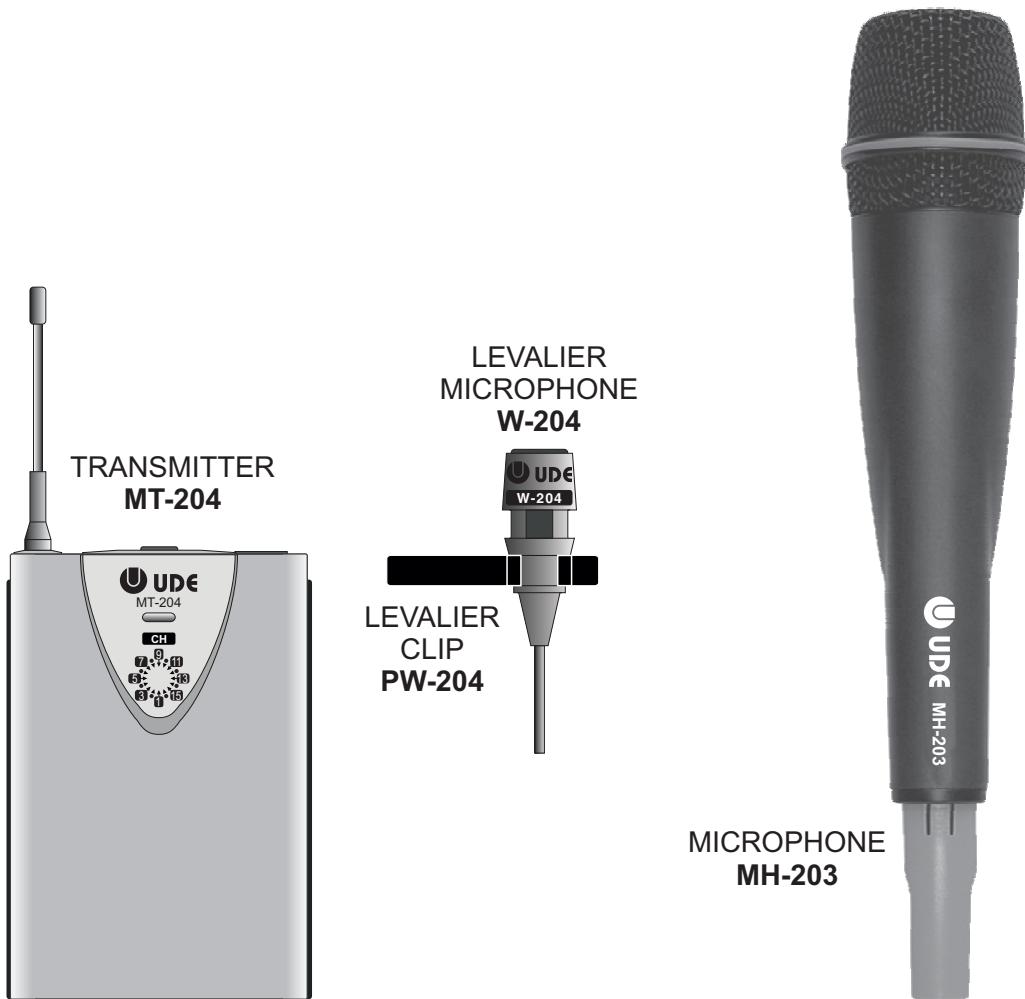
MR-202/MM

MR-201/L

MR-202/LM



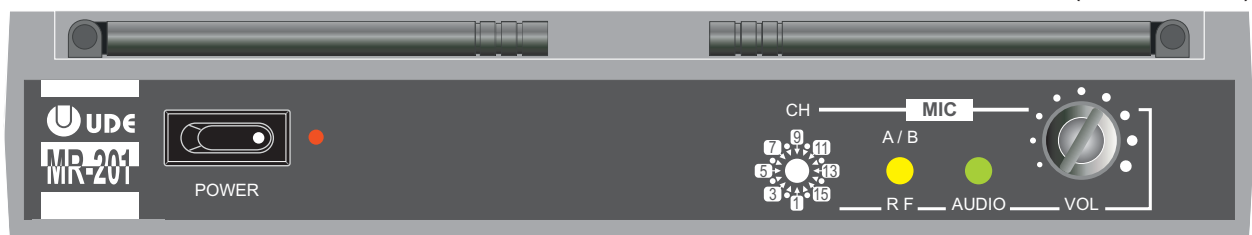
PROFESSIONAL WIRELESS MICROPHONE



RECEIVER MR-202 (2 CHANNELS)



RECEIVER MR-201 (1 CHANNEL)



EQUIPOS Y SISTEMAS MEGAFONÍA / INTERCOM • PUBLIC ADDRESS SYSTEMS

UNIÓN DESARROLLOS ELECTRÓNICOS

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DESCRIPTION

The range of wireless microphones developed by **UDE** is characterized by its excellent functionality, efficiency, low consumption and high resistance to unwanted noise.

It has new features such as the encoded-tone silencer, the reserve energy pilot light.

The range consists of the following elements:

- The **MR-201** single-channel receiver model
- The **MR-202** two-channel receiver model.
- The **MH-203** hand microphone
- The **W-204** levalier microphone with its **MT-204** transmitter

These elements are supplied in four sets as follows:

MR-201/M

Consists of:

- 1 MR-201 Receiver.
- 1 MH-203 Microphone.
- 1 WT-12 Power supply.
(230 VAC-50 Hz /12 VDC)
- 1 WM-32 Clip.
- 1 Signal lead (DIN/XLR).
- 1 Screwdriver.

MR-201/L

Consists of:

- 1 MR-201 Receiver.
- 1 W-204 Levalier microphone.
- 1 MT-204 Transmitter.
- 1 WT-12 Power supply.
(230 VAC-50 Hz/12 VDC)
- 1 PW-204 Clip.
- 1 Signal lead (DIN/XLR).
- 1 Screwdriver.

MR-202/LM

Consists of:

- 1 MR-202 Receiver.
- 1 MH-203 Microphone.
- 1 W-204 Levalier microphone.
- 1 MT-204 Transmitter.
- 1 WT-12 Power supply.
(230 VAC-50 Hz /12 VDC)
- 1 WM-32 Clip.
- 1 PW-204 Clip.
- 2 Signal lead (DIN/XLR).
- 1 Screwdriver.

MR-202/MM

Consists of:

- 1 MR-202 Receiver.
- 2 MH-203 Microphones.
- 1 WT-12 Power supply.
(230 VAC-50 Hz /12 VDC)
- 2 WM-32 Clips.
- 2 Signal lead (DIN/XLR).
- 1 Screwdriver.

FEATURES

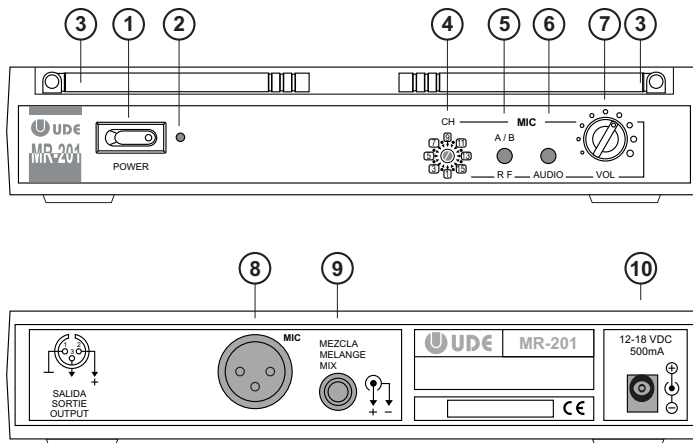
- Operation in UHF band where the radiofrequency interferences are practically nonexistent.
- It is fitted out with a SAW filter which reduces the spurious frequencies.
- 16 Preset selectable channels.
- Balanced signal cable with XLR-DIN connector.
- Muting and squelch included for avoiding noises.
- Body pack transmitter with levalier microphone.
- Format Rack 19" (1/2 1U).

IMPORTANT PRECAUTIONS

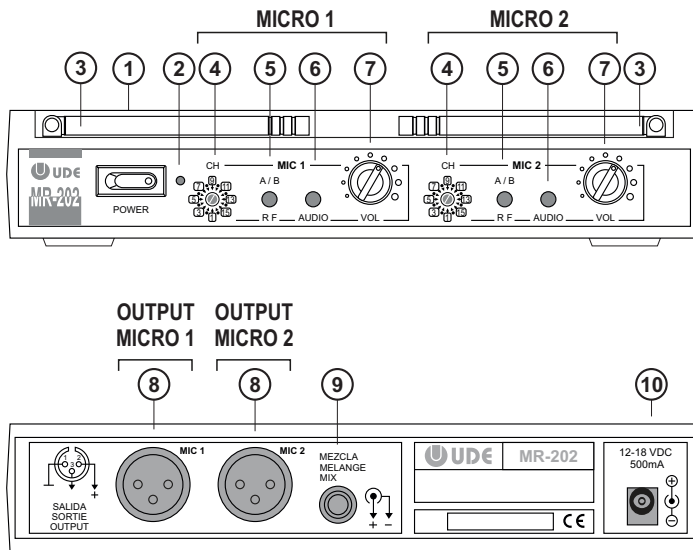
- Take care of the security rules in every country.
- All connections must be done before connecting the AC power supply.
- Do not expose the apparatus to extreme temperatures or humidity.

SPECIFICATIONS

Radiofrequency:	UHF. (863/865 MHz)
Switching Frequency:	20 MHz
Type:	PLL syntesized
Channels:	16
Audiodfrequency response:	50-18 KHz (±3 dB)
Range (out doors):	100 mts.

MR-201

- ① Power ON / OFF.
- ② On pilot light.
- ③ Antenna.
- ④ Channel selector.
- ⑤ RF Indicator.
- ⑥ AF Indicator.
- ⑦ Volume control.
- ⑧ Balanced XLR socket.
- ⑨ Unbalanced f 6,3 mm jack socket.
- ⑩ DC Input (12-18V / 500mA).

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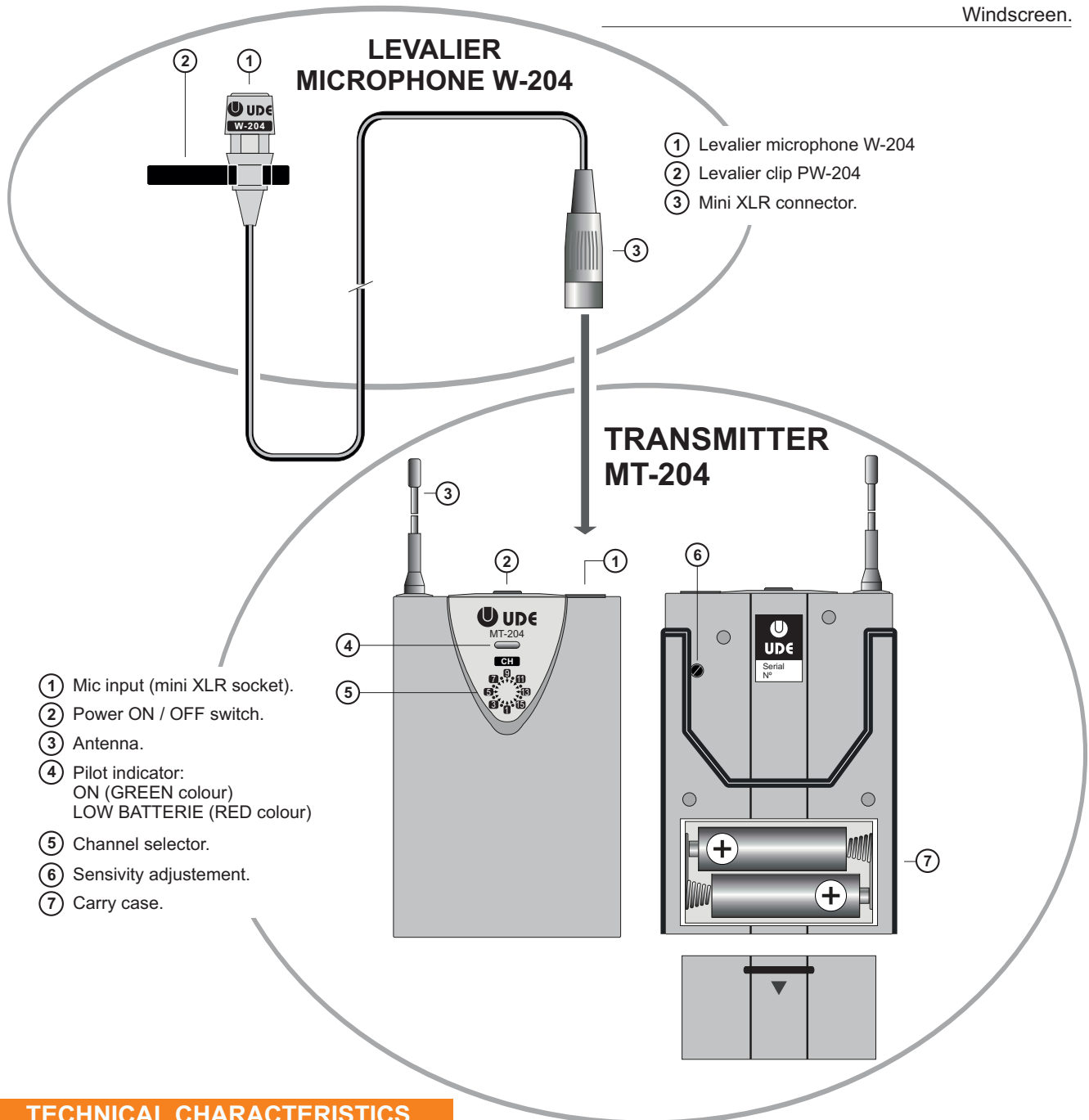
TECHNICAL CHARACTERISTICS (MR-201 / MR-202)

- Receiving mode:	Diversity.
- Frequency stability:	± 0.005 %.
- Relation signal/noise:	> 100 dB.
- RF Sensitivity:	-107 dBm.
- Image rejection:	> 60 dB.
- T.H.D. (1KHz):	< 0.6% @ 1 KHz.
- Balanced signal output:	3 mV. (600 ohms).
- Unbalanced signal output:	50 mV.
- Squelch:	Pilot tone & noise.
- Operation voltage:	12-18 VDC / 500 mA.
- Dimension:	221 x 40 x 152 mm.

TECHNICAL CHARACTERISTICS

LEVALIER MICROPHONE W-204


- Type:	Levalier microphone.
- Frequency Range:	100-12000 Hz (\pm 3 dB).
- Polar Pattern:	Cardiode.
- Sensitivity (1 kHz):	-70 dB \pm 3 dB.
- Impedance:	680 Ω (\pm 30%).
- Max. SPL for 1% THD:	130 dB.
- Connector type:	Mini XLR.
- Standard accesories:	Clip PW-204 Windscreen.



TECHNICAL CHARACTERISTICS

TRANSMITTER MT-204

- Type:	Boby-pack.
- Spurious frquencies rejection:	<-60 dBc.
- Stability:	\pm 0.005 %.
- Frequency Deviation:	\pm 48 KHz.
- Relation signal/noise:	> 100 dB (1 KHz-A).
- Current consumption:	100 mA.
- Power supply:	2 Batteries alkaline LR06 - AA 1,5 V.



**MICROPHONE
MH-203**

- ① Microphone head.
- ② Cover of the channels selector.
- ③ Pilot indicator:
ON (GREEN colour)
LOW BATTERY (RED colour)
- ④ ON/OFF switch.

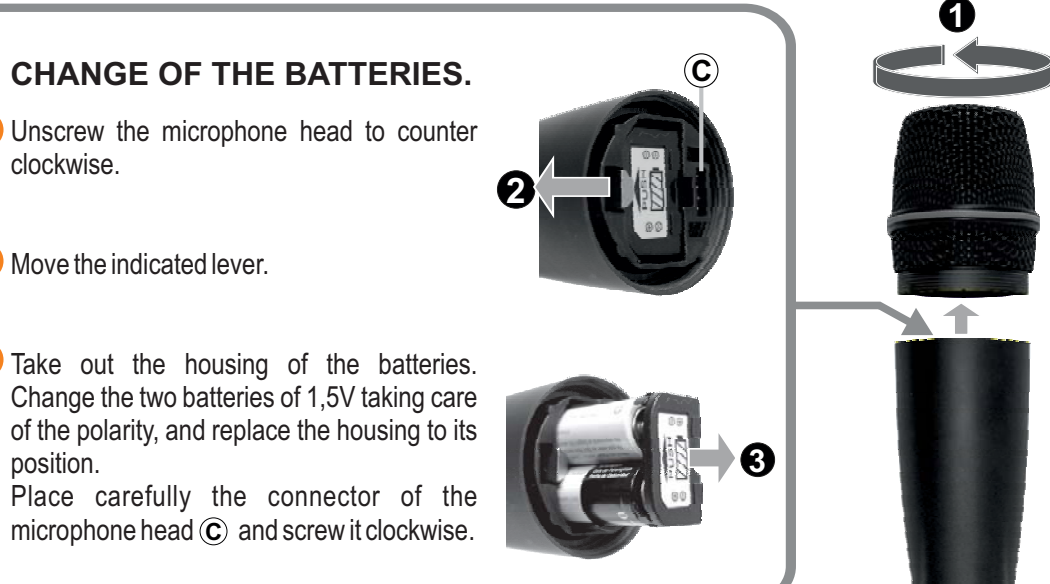
TECHNICAL CHARACTERISTICS

MICROPHONE MH-203

- Type:	Hand microphone.
- Spurious frequencies rejection:	<-60 dBc.
- Stability:	± 0.005 %.
- Frequency deviation:	± 48 KHz.
- Relation signal/noise:	> 100 dB (1 KHz-A).
- Current consumption:	100 mA.
- Power supply:	2 Alkalines batteries LR06 - AA 1,5 V.

CHANGE OF THE BATTERIES.

- ① Unscrew the microphone head to counter clockwise.
- ② Move the indicated lever.
- ③ Take out the housing of the batteries. Change the two batteries of 1,5V taking care of the polarity, and replace the housing to its position. Place carefully the connector of the microphone head ③ and screw it clockwise.



CHANNEL SELECTION

- 1.- Remove the bottom cover.
- 2.- Select the channel by the screwdriver supplied.
- 3.- Put the bottom cover.



OPERATION

Be sure that the amplifier or mixer have at minimum the volume control at the microphone input. Turn the volume adjust of the receiver completely to counter clockwise, in order to have the minimum volume.

Put ON the receiver. The ON pilot will be lit up. Select the same channel for the receiver and the transmitter (use the screwdriver supplied), and be sure that both have the same selected channel.

When you use two or more transmitters, these must be in different channels in order to avoid interferences between them. If you note some interference coming from some element beyond the system, use a different channel to avoid it.

NOTE 1:

The system allows to use a maximum of **6 microphones simultaneously**. (See a list of recommended channels).

NOTE 2:

When you use several microphones **simultaneously**, leave a minimum space of two meters between the microphones and the receivers so to get a better performance.

The body pack transmitter has an adjust of sensitivity. You can readjust the sensibility (If it's needed), by means of the screwdriver supplied.

RECOMMENDATIONS

Keep the transmitters in a minimum distance of 50 cms from big metal objects.

Avoid to put too closer the microphone to the loudspeakers, in order to avoid the Larsen effect.

Hold the hand microphone by the central part of its handle.

When you do not use the transmitter for long, remove the batteries.

When you need to replace the batteries, use the recommended types (LR06-AA 1.5V alkaline).

WIRING

Connect the DC adapter to the DC input on the rear PANNEL of the receiver and the AC PLUG to a mains socket.

AUDIO SIGNAL CABLE. Connect the XLR connector to the receiver and the DIN connector to a balanced microphone input of the amplifier or mixer.

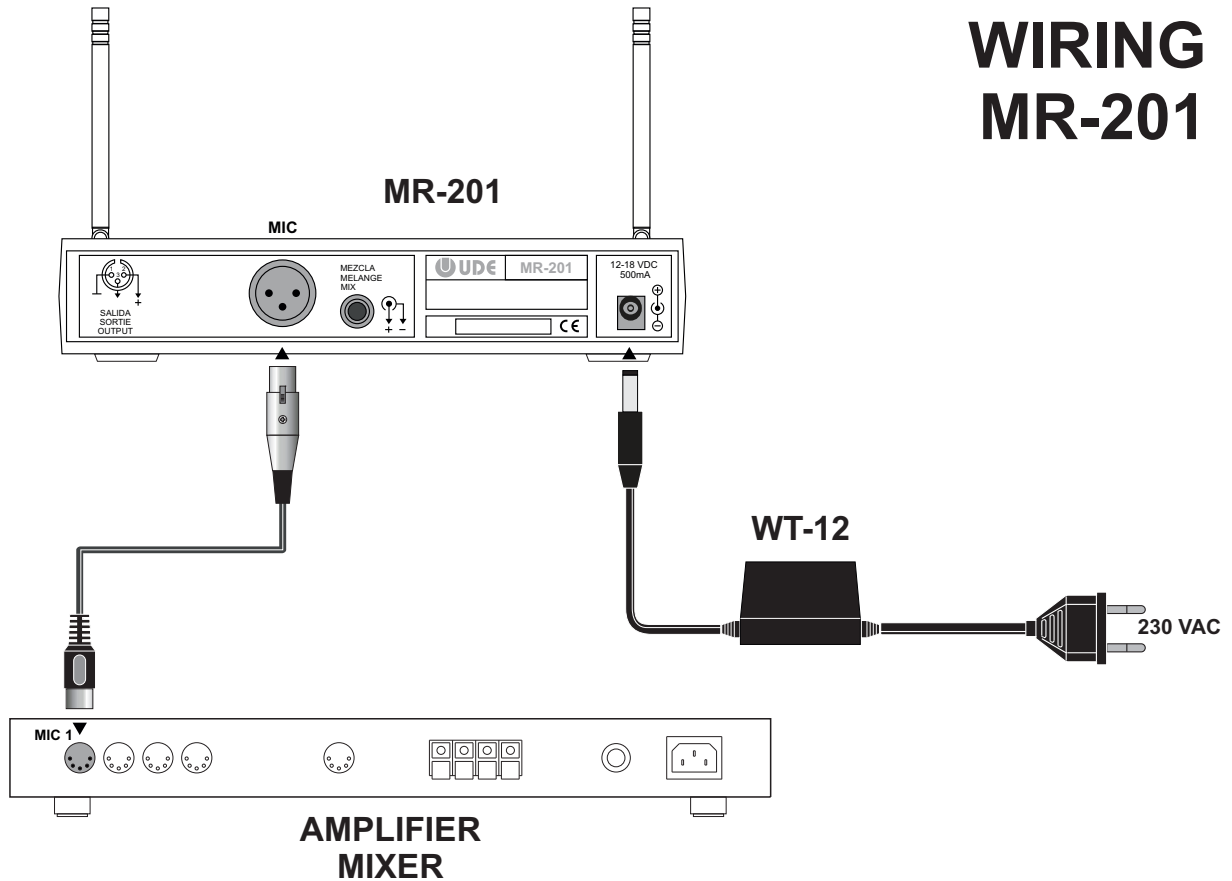
RECOMMENDED CHANNELS

Although it is possible several configurations, when several microphones are used simultaneously, in order to get the best performance it is recommended to use the channels indicated in one of the A or B sets.

A: Channels 1, 3, 6, 9, 11, 15

B: Channels 2, 4, 7, 10, 13, 16

WIRING MR-201



WIRING MR-202

