



## INTRODUCTION

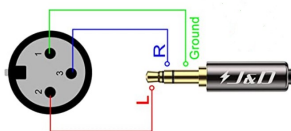
FXMASTER is an 8 band equalizer with adjustable noise gate, reverb. This device has the ability to interface any type of studio microphone from different brands and switch it to 2 radios. The high audio quality allows you to transform even new/old radios to make hifi ssb. The audio can be perfectly amplified and equalized to adapt it to any type of microphone. It handles dynamic studio condenser microphones or ICOM, YAESU, KENWOOD, and other commercial microphones. All microphones can be connected directly without having to make new connections or adapters. FXMASTER has an internal switch to be able to use 2 radios at the same time. A led allows to indicate an overflow of the bf signal. It has two XLR studio microphone jack inputs. Through a standard jack / XLR cable it is possible to connect dynamic or condenser studio microphones with external phantom power (not included).

MODEL	RELEASE	FIRMWARE
		

**IMPORTANT INFORMATION** The use of this device may be subject to national restrictions or regulations. Check your local authority or dealer before purchasing and using this product. Read all the operational instructions, the safety recommendations and warnings in the instruction manual. Identifying in time the potential hazardous situations and observing the appropriate safety rules, they will avoid accidents. Hazardous situations to be avoided in order to prevent all risks that are shown above. Never use the FXMASTER inappropriately, but only as directed in the user. The Manufacturer reserves the right to update the technical data contained in this manual without notice.



Schematic Balanced 3.5mm TRS to XLR



#### XLR / Jack 3.5mm

To connect the studio microphones directly, an XLR / 3.5mm jack cable is sufficient. The wiring diagram is as in the picture.

#### TECHNICAL FEATURES

- 8 band equalizer
- adjustable noise gate
- slow fast attack speed adjustable
- reverb/delay
- input/output 600 ohm
- possibility to connect 2 radios at the same time (switch Radio A/B)
- possibility to connect 6 types of microphones at the same time
- Heil sound headphone microphone input or other
- input for dynamic microphones XLR connection
- input for studio microphones (with phantom +48V external)
- input remote PTT
- input Audio Radio to power the headphone
- Overload/ptt led / dimension 170x113x30mm

#### Crossed-out Wheeled Bin Symbol

Equipment marked with the Crossed-out Wheeled Bin Symbol complies with council directive 2002/96/EC (the "WEEE Directive") in European

Union. For Products placed on the EU market after August 13, 2005, please contact your local representative at the end of the product's useful life to arrange disposal in accordance with your initial contract and the local law.

#### DECLARATION OF CONFORMITY

Manufacturer's: Metropwr SAS

Product Model: FXMASTER



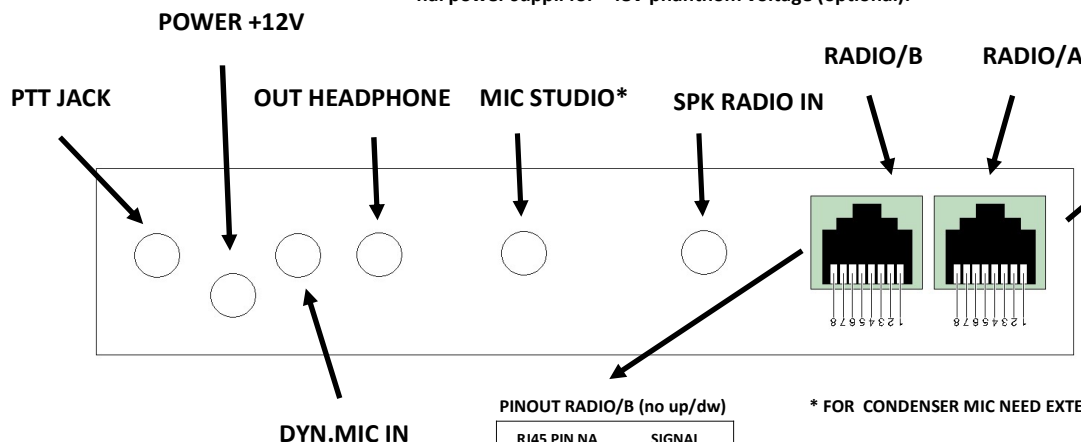
## REAL PANEL AND CONNECTIONS

Cut one end of the cable and solder the 8-pin connector. RADIO A/B outputs use the same cable, you can make 2 cables for Yaesu and Icom or Kenwood and use them to connect 2 different radios. You can switch radios via the OUT A/B switch.

You can connect microphones of different brands even at the same time. \*In case of condenser studio microphone is used, it would be possible to install an external power supply for +48V phantom voltage (optional).

### PINOUT RADIO/A

RJ45 PIN NA	SIGNAL
1	DOWN
2	UP
3	+8V/+5V
4	MIC GND
5	MIC
6	PTT
7	GND
8	FAST/AF



\* FOR CONDENSER MIC NEED EXTERNAL POWER SUPPLY +48V (OPTIONAL)

### SCHEMATIC RJ45/8 pin cable

A simple Cat 6/7 Lan cable with a maximum length of 2m can be used. For operation without up/down commands 5 wires can be connected. Otherwise all 8 wires but only the RADIO/A output has support for mic up/down commands.

\* FXMASTER Includes RJ45/RJ45 cable for Yaesu radio FTDX10, FT991A, FT857/859, FT891, and compatible + 8 PIN CONNECTOR to be soldered.

## RJ45 / 8PIN CABLE DIAGRAM

### FRONT VIEW RJ45

12345678



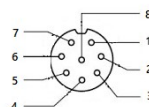
### EXAMPLE ICOM CABLE + Up/Dw

Solder RJ45 pin to 8pin conn. 1-3, 2-4, 3-2, 4-7, 5-1, 6-5, 7-6, 8-8.

### EXAMPLE EASY ICOM CABLE

Solder RJ45 pin to 8pin conn. 3-2, 4-7, 5-1, 6-5, 7-6.

### MALE CONNECTOR 8PIN CONN. FRONT VIEW



8pin MALE CONNECTOR



## Connection Tables

RJ45 PIN	8 PIN ICOM
1	UP/DW 3*
2	SQLC 4*
3	+8V 2
4	MIC GND 7
5	MIC 1
6	PTT 5
7	GND 6
8	AF 8*

RJ45 PIN	8 PIN YAESU
1	DOWN 3*
2	UP 1*
3	+5V 2
4	MIC GND 7
5	MIC 8
6	PTT 6
7	GND 5
8	FAST 4*

RJ45 PIN	8 PIN KENWOOD
1	DOWN 3*
2	UP 4*
3	+8V 5
4	MIC GND 7
5	MIC 1
6	PTT 2
7	GND 8
8	NC NC

\* Optional (no up/dw)