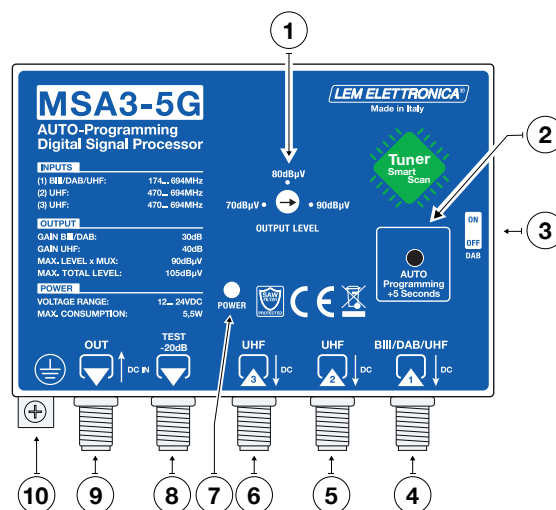


MSA3-5G

Automatic Programming TV terrestrial multi-input mast amplifier

- ① Output level adjuster (70... 90dB μ V)
- ② AUTO Programmig key (to start SmartScan)
- ③ DAB filter selector ON= enabled OFF= disabled
- ④ Input (1) BIII / DAB / UHF (E21... E48)
- ⑤ Input (2) UHF (E21... E48)
- ⑥ Input (3) UHF (E21... E48)
- ⑦ Multifunction LED
- ⑧ Test output -20dB
- ⑨ MATV output / coaxial remote power 12...15VDC
- ⑩ Grounding clamp



Installation and start-up

- 1 Connect an earth wire to grounding clamp
- 2 Connect the TV aerial(s) to the amplifier's inputs
- 3 Connect the MATV output
- 4 Power up the amplifier connecting to MATV output a proper coaxial power supply

Programming and output level setup

- 1_Keep (+ 5 seconds) the **AUTO Programming** key pressed until the **LED Power** start to blink red/green
- 2_The amplifier will start the channel (MUX) search for the connected inputs and the **LED Power** blinking red/green will indicate that DVB-T/T2 channels are scanned by the internal **tuner-demodulator**. When the search is complete and the channel are stored the **LED Power** will turn to fixed green.
- 4_The output level can be manually adjusted operating on the trimmer **OUTPUT LEVEL**

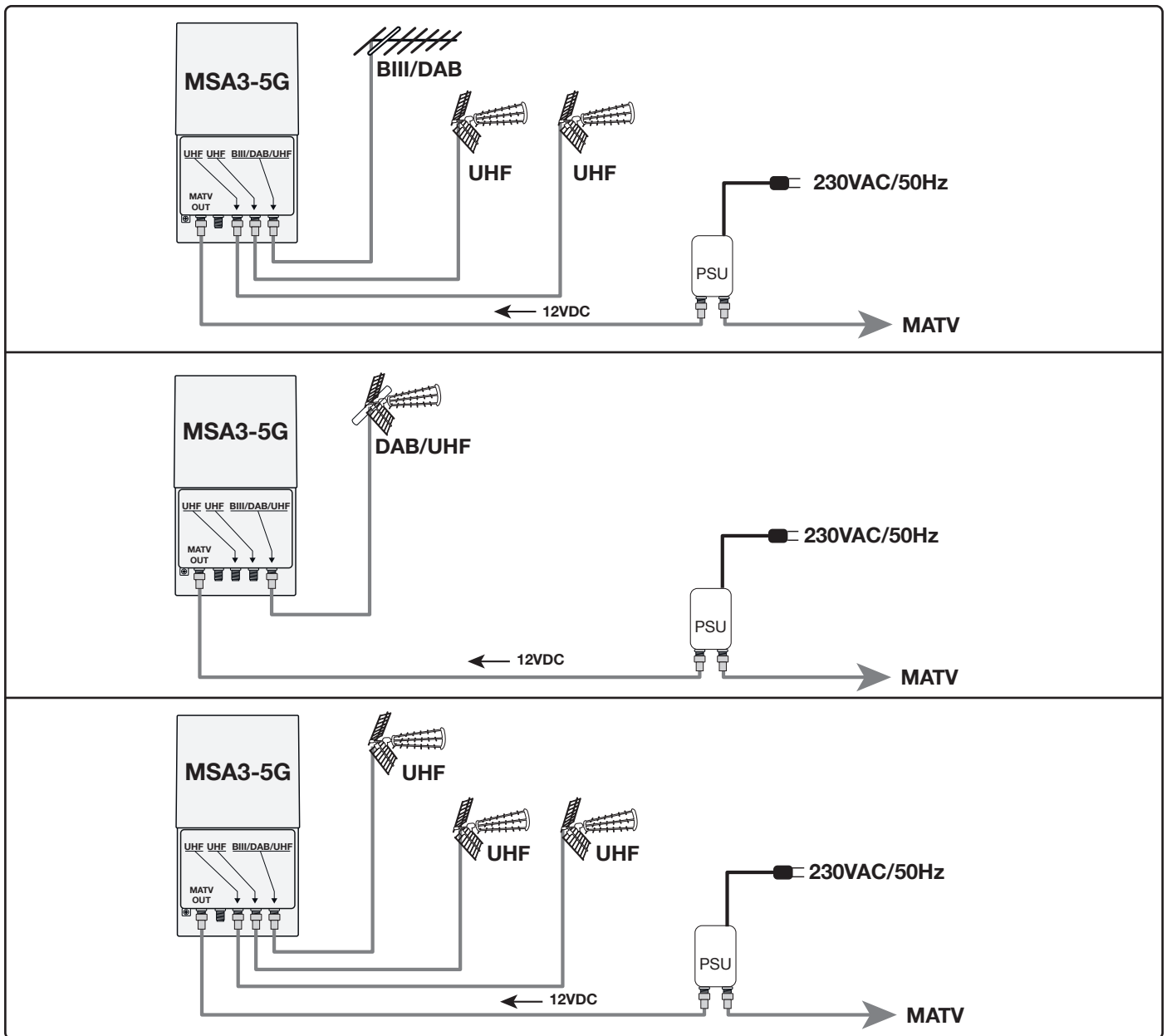
Antenna remote power error



If **LED POWER** remains fixed red there is an antenna input short circuit or over current. Please check the input(s) and remove the issue. Restart the **SmartScan** pressing for 5 seconds the **AUTO-Programming** key.

Technical specifications

NUMBER OF INPUTS	3	1xDAB/BIII/UHF (170... 240 / 470... 694) MHz / 2xUHF (470... 694) MHz
LTE PROTECTION		LTE 700
SINGLE CHANNEL FILTERS		up to 32
NUMBER OF CHANNEL PER FILTERS		1
INPUT LEVEL RANGE	dB μ V	50... 100
BIII/DAB - UHF INPUTS A.C.G. RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	35 @1MHz
BIII/DAB GAIN	dB	40
UHF GAIN	dB	50
OUTPUT LEVEL RANGE	dB μ V	70... 90
ADJUSTABLE SLOPE	dB	0... +5
MAX TOTAL OUTPUT LEVEL	dB μ V	105 (IM3 DIN 45004B - 60 dBc)
RETURN LOSS IN/OUT	dB	>10
AERIAL INPUTS REMOTE POWERING (AUTOSENSING)		12...15VDC / 60mA
INPUT VOLTAGE	V	12... 15VDC
MAXIMUM CONSUMPTION		0,55A @ 12VDC / 6,6W
OPERATING TEMPERATURE	°C	-15... 45
DIMENSIONS	mm	128 x 129 x 52



SAFETY INSTRUCTIONS

1. Ambient temperature should not be higher than 45° C.
2. Install and fix safely the unit on a vertical wall or mast with its own rainproof case
3. Connect the power adapter cord to a detachable power supply socket.
4. Do not place the equipment in a place where it can suffer vibrations or shocks.
5. Only use attachments/accessories specified by the manufacturer.

DESCRIPTION OF SYMBOLS AND ELECTRICAL SAFETY

 The equipment complies with the CE requirements



The equipment is compliant with RoHS 2011/65EU



Equipment grounding terminal



Dispose according to local authorities recycling processes