








# MSA3

## AUTO-Programming Masthead amplifier

-  **Mast rain proof protective housing**
-  **Die casting zamak chassis**
-  **ON / OFF Switch DAB enabler**
-  **Autosensing antenna input powering**
-  **Lte700 5G SAW filter technology protection**
-  **High Selectivity channel filters with ACG**
-  **Built-in DVB-T/T2 tuner for DTT Auto-Programming**



**Masthead amplifier for the amplification of terrestrial signals coming from several antennas.**

Active device with built-in tuner to detect DVB-T/T2 channels for UHF+VHF inputs, the unit performs an automatic programming of the filters, as well as the appropriate level equalization. The manual adjuster allows the installer to adapt the output level to the characteristics of the distribution network.

The amplifier is powered through the output coaxial cable with 12 Vdc.

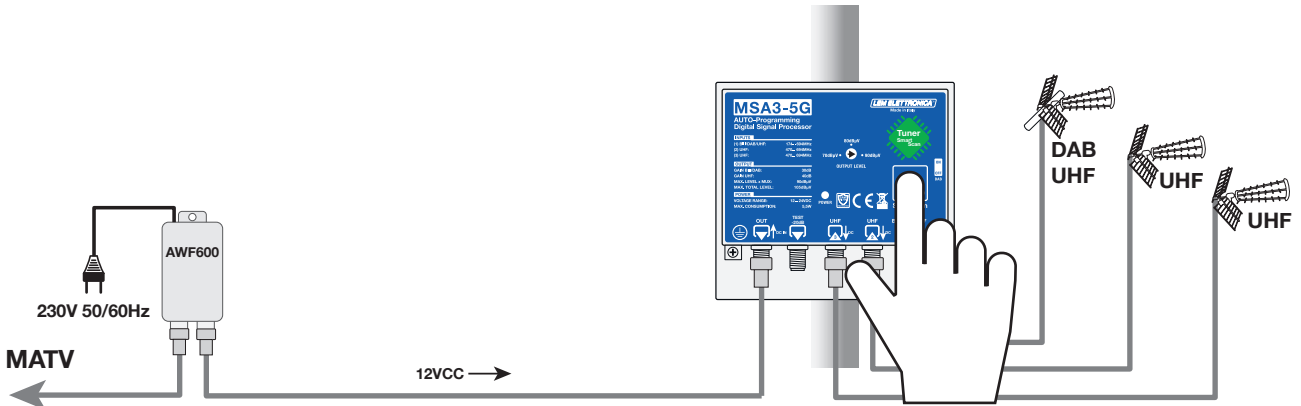


MODEL		MSA3
NUMBER OF INPUTS		1xBIII/DAB/UHF / 2xUHF
INPUTS FREQUENCY RANGE	MHz	BIII (170... 230) / DAB (170... 240) UHF (470... 694)
LTE PROTECTION		LTE 700
SINGLE CHANNEL FILTERS		32
NUMBER OF CHANNEL PER FILTERS		1
MAXIMUM INPUT LEVEL	dBµV	FM 90 - BIII/DAB 100 - UHF 100
AUTOMATIC GAIN CONTROL RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	35 @1MHz
BIII/DAB GAIN	dB	40
UHF GAIN	dB	50
OUTPUT LEVEL RANGE	dBµV	70... 90 (adjustable)
RETURN LOSS IN/OUT	dB	>10
INPUTS REMOTE POWER SUPPLY		12V / 50mA
OPERATING VOLTAGE	V	12... 15
MAXIMUM CONSUMPTION	W	5,5
OPERATING TEMPERATURE	°C	-15... 40
MAXIMUM MAST SIZE	mm	Ø 60
DIMENSIONS	mm	129 x 128,5 x 51,5

# Programming & Connection diagram

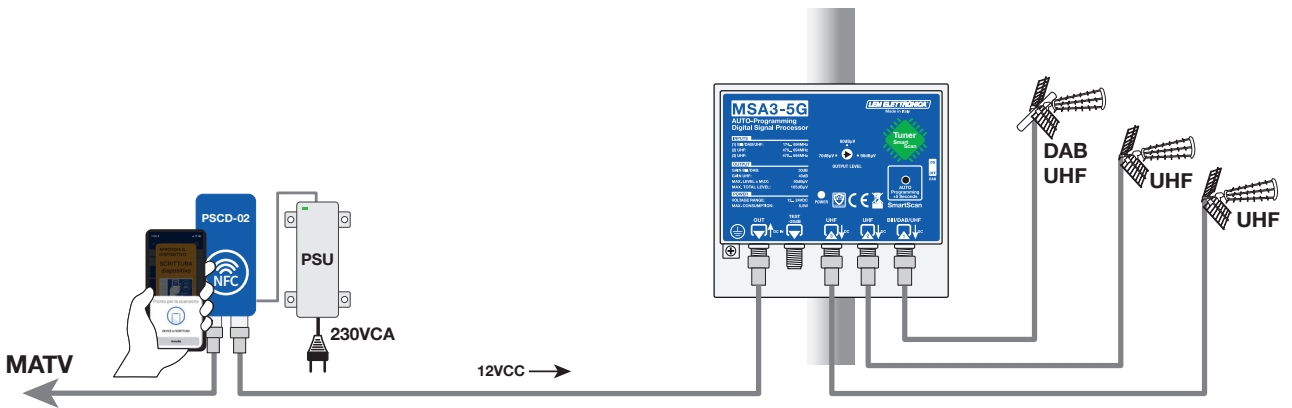
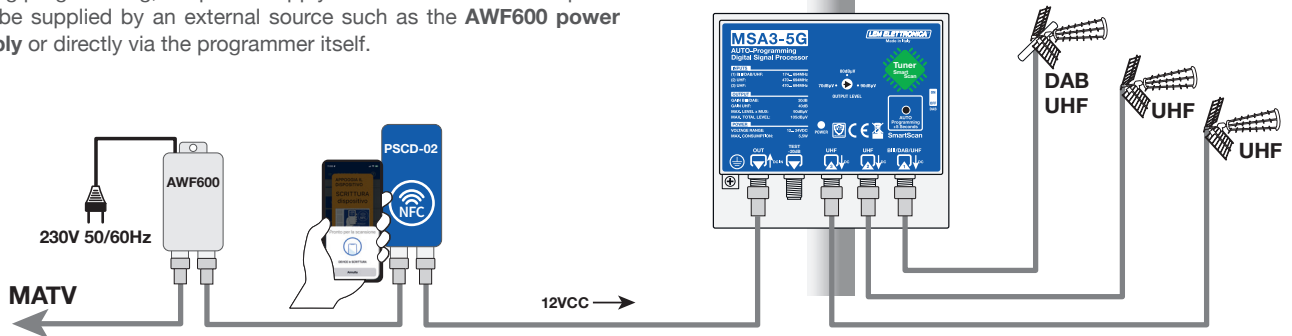
## SmartScan automatic programming

After connecting the antennas, simply press a button to start scanning the signals present in each input. Each received MUX is analyzed using the integrated **DVB-T/T2 Tuner** and is stored only if it has adequate quality requirements. If the same MUX is detected by different antennas, the one with the best quality parameters is chosen.



## Automatic remote programming

The **PSCD-02\*** programmer allows remote **SmartScan automatic programming** to be launched via the coaxial cable used for distribution. During programming, the power supply to the **MSA3-5G** control panel can be supplied by an external source such as the **AWF600 power supply** or directly via the programmer itself.



\* Sold separately

## Automatic filter equalization

After completing the search and storage of the received signals, each filter is optimized in amplitude and equalized to guarantee a perfectly linear and balanced output spectrum, reaching the maximum possible output level.

