





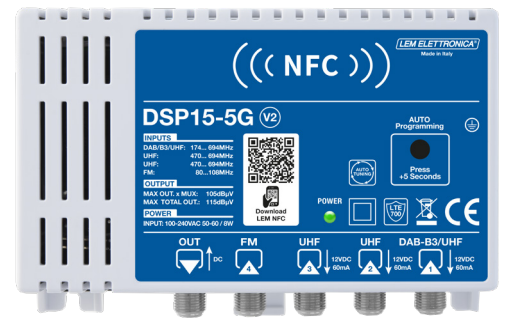


DSP15 V2

NFC Programmable Multiband Amplifier

-  **Automatic programming or via NFC**
-  **App available for iOS and Android**
-  **32 High Selectivity channel filters with ACG**
-  **Lte700 4/5G filter technology protection**
-  **Integrated high-efficiency power supply**
-  **DIN rail and wall mounting**



Compact and versatile MATV amplifier for the amplification of terrestrial signals coming from several antennas.

The all parameters (channel filters, output level, slope, etc...) are managed by a smartphone App (Android or iOS) in a friendly and intuitive environment. The configurations can be saved and recalled in the smartphone memory - even without being connected to the amplifier.

The amplifier integrates a high-efficiency low-power consumption switch-mode power supply. Can be also remotely powered over the output coaxial cable.

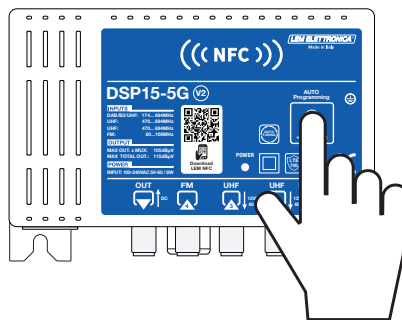


MODEL		DSP15 V2
NUMBER OF INPUTS		1xFM / 1xDAB/BIII/UHF / 2xUHF
INPUTS FREQUENCY RANGE	MHz	FM (80... 108) BIII (170... 230) / DAB (170... 240) UHF (470... 694)
LTE PROTECTION		LTE 700
SINGLE CHANNEL FILTERS		32
NUMBER OF CHANNEL PER FILTERS		1 (with channel to channel conversion)
COMMUNICATION STANDARD		NFC (Near Field Communication)
INPUT LEVEL RANGE	dBμV	FM 35... 90 - BIII/DAB 45... 100 - UHF 45... 90
BIII/DAB/UHF INPUT PRE-AMPLIFIER	dB	OFF= 0 / ON= +16
AUTOMATIC GAIN CONTROL RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	≥50 Adjacent channels
FM GAIN	dB	-10/+15
BIII/DAB GAIN	dB	40... 50
UHF GAIN	dB	60
TOTAL OUTPUT LEVEL RANGE	dBμV	85... 105
BIII/DAB LEVEL ADJUSTMENT		0... -10
UHF SLOPE ADJUSTMENT	dB	0... +5
MAX TOTAL OUTPUT LEVEL	dBμV	115
RETURN LOSS IN/OUT	dB	>10
AERIAL INPUTS REMOTE POWERING		12V/ 60mA
INPUT VOLTAGE	V	100... 240VAC 50/60Hz
MAXIMUM CONSUMPTION	W	8
OPERATING TEMPERATURE	°C	-15... 40
DIMENSIONS	mm	135 x 91 x 44

Programming & Connection diagram

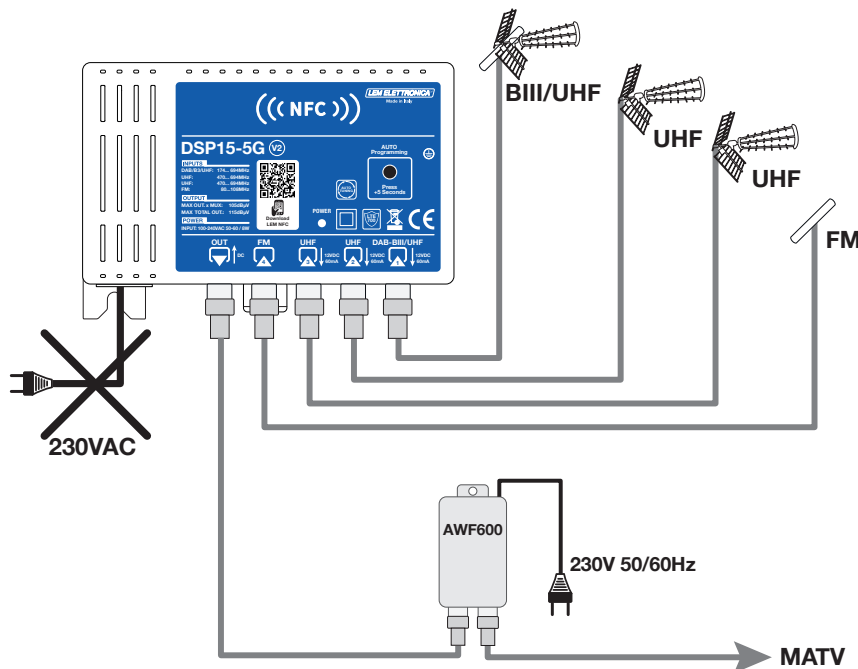
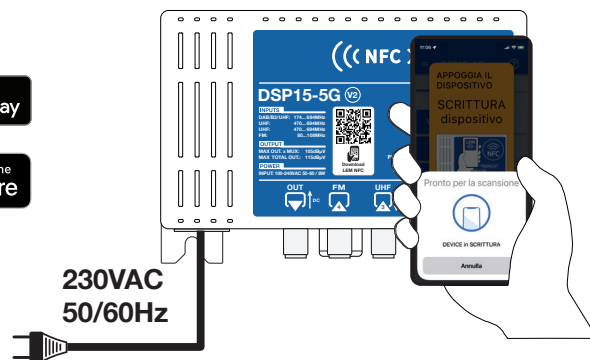
AUTO-TUNING automatic channel search

After connecting the antennas, **simply press and hold the AUTO PROGRAMMING button for 5 seconds** to automatically start scanning the signals received on each input.



Manual Programming

With the **LEM NFC** smartphone application, you can have access to the configuration of all the control panel parameters in a simple and intuitive way. The connection to the **DSP15-5G** control panel occurs without contact via **NFC** by bringing the smart phone close to the control panel.



Remote power supply via coaxial cable

without an electrical outlet, the **DSP15-5G** amplifier can also be powered remotely from the output using a **12VDC power supply** of adequate power such as the **AWF600**.

