

DSP15-5G

Programmable TV terrestrial multiband amplifier

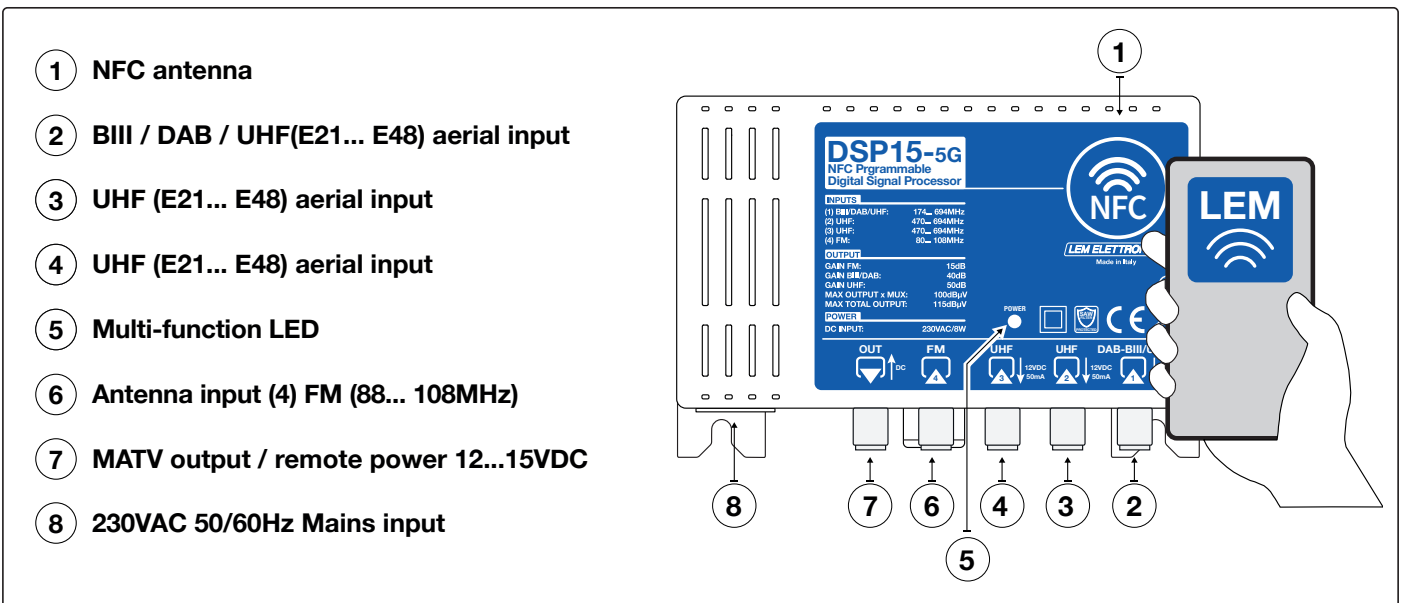
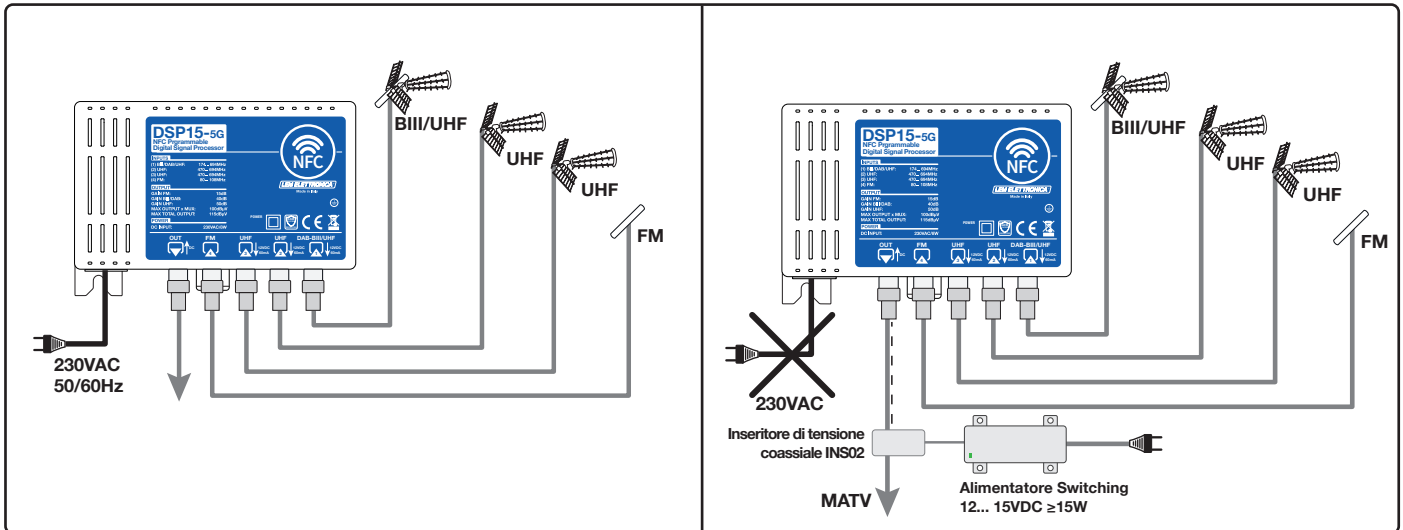
Installation and start-up

- 1 Connect an earth wire to grounding clamp
- 2 Connect the TV aerial(s) to the amplifier's inputs
- 3 Connect the MATV output and terminate the unused inputs with 75Ω loads
- 4 Power up the amplifier connecting the power cord to mains plug

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) with the remote power supply activated and remove the issue.



SAFETY INSTRUCTIONS

1. Do not expose the amplifier to extreme temperatures.
2. Place the amplifier in a dry and well-aired location.
3. Install the unit on a vertical wall, or in a waterproof cabinet with a minimum IP55 rating, and fix it safely.
4. Connect the power adapter cord to a detachable power supply socket.

DESCRIPTION OF SYMBOLS AND ELECTRICAL SAFETY

CE The equipment complies with the CE requirements

Equipment grounding terminal



The equipment is compliant with RoHS 2011/65EU



Dispose according to local authorities recycling processes

Programming

To program a **DSP15-5G** a smartphone supporting **NFC** technology is required.

NFC (Near Field Communication) communication standard allows the bidirectional contactless communication between two devices.

Minimum requirements for Smart Phone Apple

iOS 13
iPhone 7

Download the App **LEM NFC** from Apple Store or scan the QR code with the smartphone



LEM NFC for iOS



Minimum requirements for Smart Phone Android


Android 5
Android 11 Recommended

Download the App **LEM NFC** from Google Play or scan the QR code with the smartphone




LEM NFC for Android

Write a configuration from smart phone to DSP15-5G

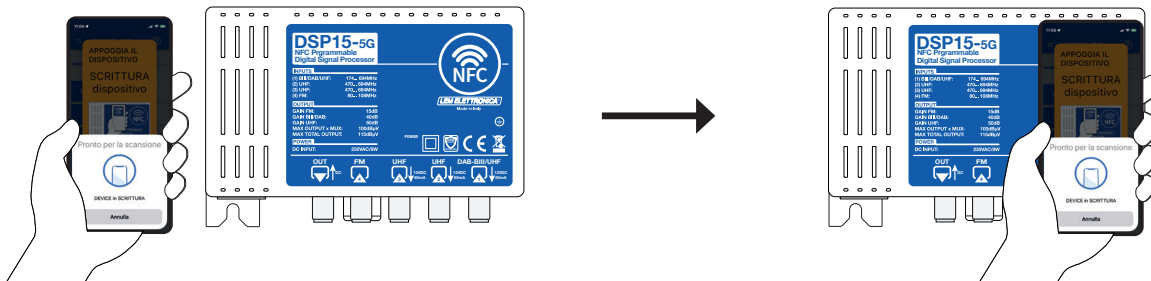
- 1_Launch the application **LEM NFC** and select the amplifier model
- 2_Setup all the appropriate parameters and settings
- 3_Press **WRITE**  and place the smartphone over the NFC antenna keeping it still until the transmission ends (about 5 sec.)

Android smartphones need NFC enabled

Read a configuration from DSP15-5G to smart phone

- 1_Launch the application **LEM NFC** and select the amplifier model
- 2_Press **READ**  and place the smartphone over the NFC antenna keeping it still until the transmission ends (about 1 sec.)

Reading is possible even with the DSP15-5G turned off



Technical specifications

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
COMMUNICATION STANDARD		NFC (Near Field Communication)
INPUT LEVEL RANGE	dB μ V	FM 35... 90 - BIII/DAB 40... 100 - UHF 45... 105
BIII/DAB/UHF INPUT PRE-AMPLIFIER	dB	OFF= 0 / ON= +16
BIII/DAB - UHF INPUTS A.C.G. RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	35 @1MHz
FM GAIN	dB	-10/+15
BIII/DAB GAIN	dB	40... 50
UHF GAIN	dB	50
TOTAL OUTPUT LEVEL RANGE	dB μ V	85... 105
ADJUSTABLE SLOPE	dB	0... +5
MAX TOTAL OUTPUT LEVEL	dB μ V	115
OUTPUT LEVEL WITH 6 MUX	dB μ V	105
RETURN LOSS IN/OUT	dB	>10
AERIAL INPUTS REMOTE POWERING		12V/ 60mA
INPUT VOLTAGE	V	230V 50/60Hz
MAXIMUM CONSUMPTION	W	8
OPERATING TEMPERATURE	$^{\circ}$ C	-15... 40
DIMENSIONS	mm	135 x 91 x 45