

MSP2

Programmable amplifier

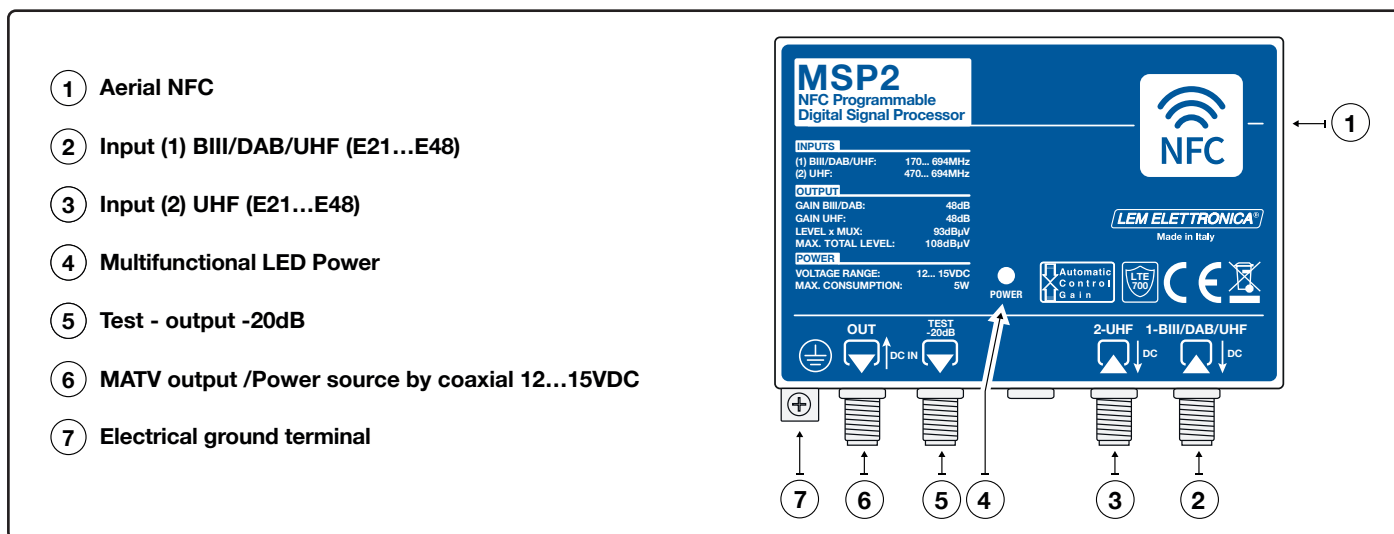
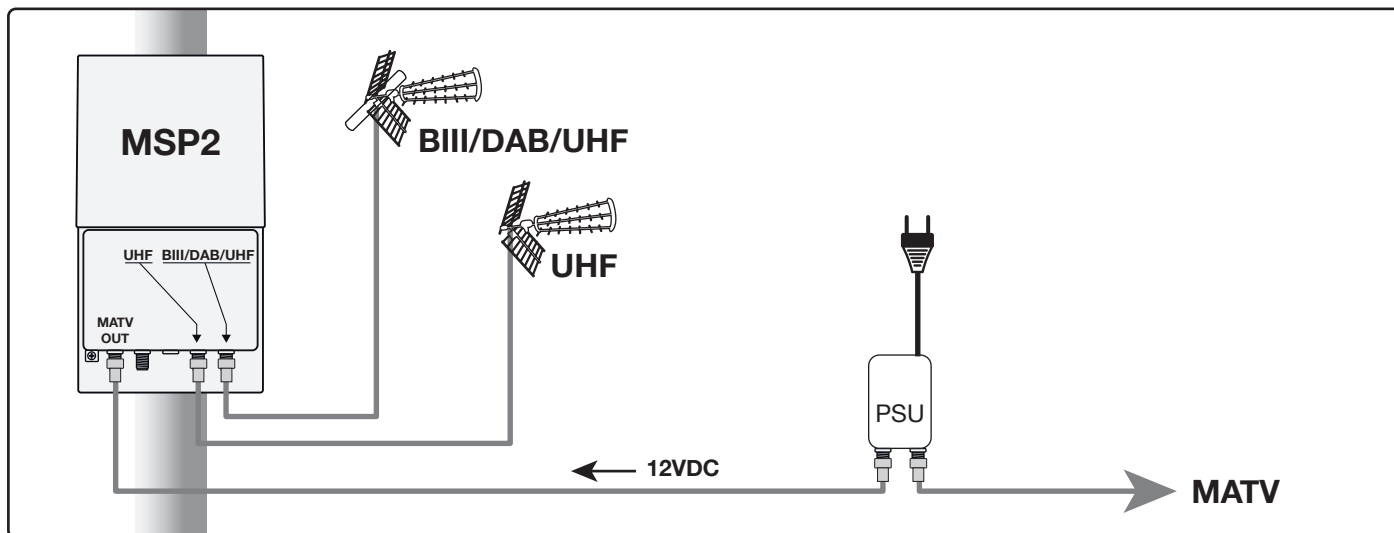
Programmable via smart phone Apple or Android

Connection and activation

- 1_ Connect the coaxial input to the aerials systems.
- 2_ Connect the correct power supply to the output connector.
- 3_ Verify the correct amplifier ignition marked by the green **Led Power** lighting.

Remote power source fault

The fixed red colour by **LED POWER** ignition stands for short circuit presence or excess load at least over one aerial connection. To reactivate the correct functioning remove short circuit or the excess load cause.



Installation warning

- Always use the product with the supplied standard rain protection.
- The products must not come into contact with water or be wet by liquid.
- Do not put the product near source of heat.
- By closet or compartment installation provide for a proper ventilation.

Icon descriptions and electrical safety

CE CE the equipment complies with 2014/53/UE, 2011/65/UE requirements.

Equipment grounding terminal.



The equipment is compliant with RoHS 2011/65EU.



Dispose according your local authority's recycling processes.

Programming

All the TV **MSP2** control unit parameters are configurable via **LEM NFC** app available for each smart phone with transceiver **NFC** (Near Field Communication) data qualification.

NFC technology allows a contactless bidirectional communication between two devices by a close distance..

Requirement for SmartPhone Apple

IOS 13 or higher
iPhone 7 or higher

Download **LEM NFC** from Apple Store or frame the below QR code with smart phone camera



LEM NFC for iOS



Requirement for SmartPhone Android

At least Android 5 (Lollipop)
Recommended Android 11 or higher

Download **LEM NFC** from Google Play or frame the below QR code with smart phone camera




LEM NFC for Android

Or in our download area from our website:

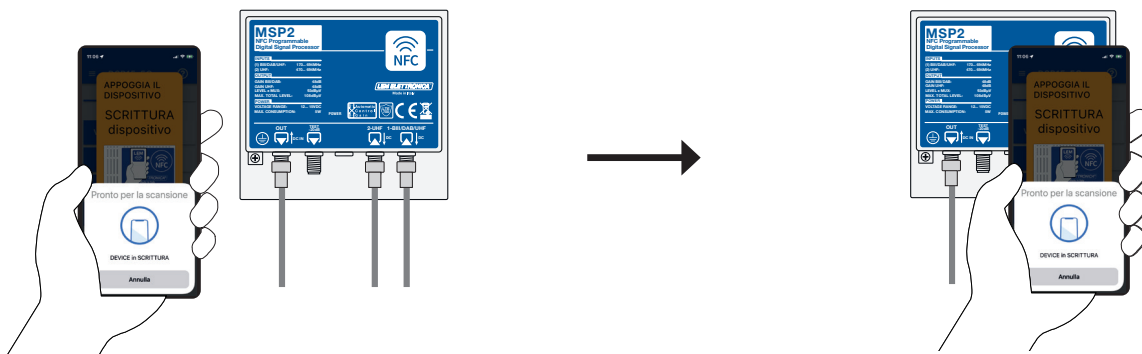
<https://lemelettronica.it/download-it/>

Configuration transfer from smart phone to MSP2

Once the parameters and settings have been defined in the **LEM NFC** app select the **WRITE ICON**  set your smart phone in correspondence of NFC sign applied to **MSP2** control unit and wait for transmission completion (about 5 sec).

Configuration tranfer from MSP2 to smart phone

If you wish to get an already stored configuration, select the **READ ICON** , set your smart phone in correspondence of NFC sign and wait for reading completion (about 1 sec).



Technical specifications

INPUT NUMBERS		2
INPUT (1)	MHz	BIII /DAB (170... 240) + UHF (470... 694)
INPUT (2)	MHz	UHF (470... 694)
LTE PROTECTION		LTE 700
LEVEL ADJUSTER RANGE		45... 100
C.A.G. INPUT DYNAMICS	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	≥50 (Adjacent Channels)
BIII-DAB GAIN	dB	48
UHF GAIN	dB	48
OUTPUT LEVEL	dBμV	73... 93 (adjustable)
MAX TOTAL OUTPUT LEVEL	dBμV	108 (IM3 DIN 45004B - 60 dBc)
RETURN LOSS IN/OUT	dB	>10
TELE-POWER SOURCE		50mA
SUPPLY VOLTAGE	VDC	12... 15
MAXIMUM CONSUMPTION		5W @12V
OPERATING TEMPERATURE	°C	-15... 40
DIMENSIONS	mm	129 x 128,5 x 51,5