

MSP3

Programmable amplifier

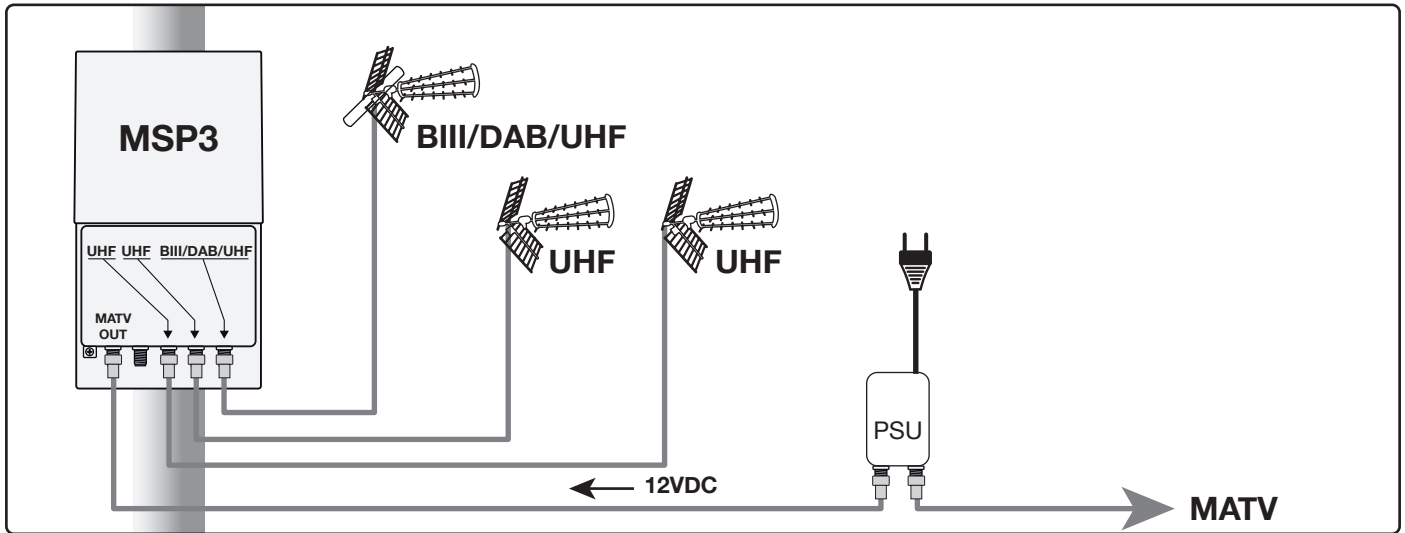
Programmable via smart phone Apple or Android

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.



- ① Aerial NFC
- ② Input (1) BIII/DAB/UHF (E21...E48)
- ③ Input (2) UHF (E21...E48)
- ④ Input (3) UHF (E21...E48)
- ⑤ Multifunctional LED Power
- ⑥ Test - output -20dB
- ⑦ MATV output /Power source by coaxial 12...15VDC
- ⑧ Electrical ground terminal

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 **MSP3** 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:

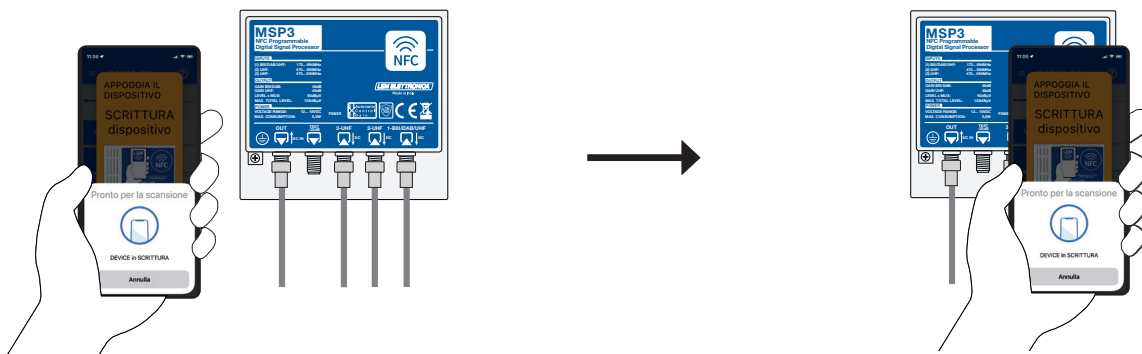
<https://lemelettronica.it/download-it/>

Configuration transfer from smart phone to MSP3

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 **MSP3** control unit and wait for transmission completion (about 5 sec).

Configuration tranfer from MSP3 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		3
INPUT (1)	MHz	BIII /DAB (170... 240) + UHF (470... 694)
INPUT (2)	MHz	UHF (470... 694)
INPUT (3)	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		5,5W @12V
OPERATING TEMPERATURE	°C	-15... 40
DIMENSIONS	mm	129 x 128,5 x 51,5