LEM ELETTRONICA®

MSP1

NFC-Programmable Masthead amplifier

- ***Contactless NFC smart phone programmable***
- ***App available for iOS and Android***
- ***32 High Selectivity channel filters with ACG***
- ***Lte700 4G/5G filter technology protection***
- ***Die casting zamak chassis***
- ***Mast rain proof protective housing***

Masthead amplifier for the amplification of terrestrial signals coming from single antenna.

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 smatphone memory - even without being connected to the amplifier.

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

GET IT ON Google Play

Download on the App Store

5 YEARS WARRANTY

LEM NFC

LTE 700

RED COMPLIANT

MODEL		MSP1
NUMBER OF INPUTS		1xBIII/DAB/UHF
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 (with channel to channel conversion)
COMMUNICATION STANDARD		NFC (Near Field Communication)
MAXIMUM INPUT LEVEL	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)
BIII/DAB GAIN	dB	48
UHF GAIN	dB	48
OUTPUT LEVEL RANGE (x MUX)	dBµV	73... 93
BIII/DAB LEVEL ADJUSTMENT		0... -10
UHF SLOPE ADJUSTMENT	dB	0... +5
MAX TOTAL OUTPUT LEVEL	dBµV	108
RETURN LOSS IN/OUT	dB	>10
INPUTS REMOTE POWER SUPPLY		12V / 50mA
INPUT VOLTAGE	V	12... 15
MAXIMUM CONSUMPTION	W	4,5
OPERATING TEMPERATURE	°C	-15... 40
MAXIMUM MAST SIZE	mm	Ø 60
DIMENSIONS	mm	129 x 128,5 x 51,5

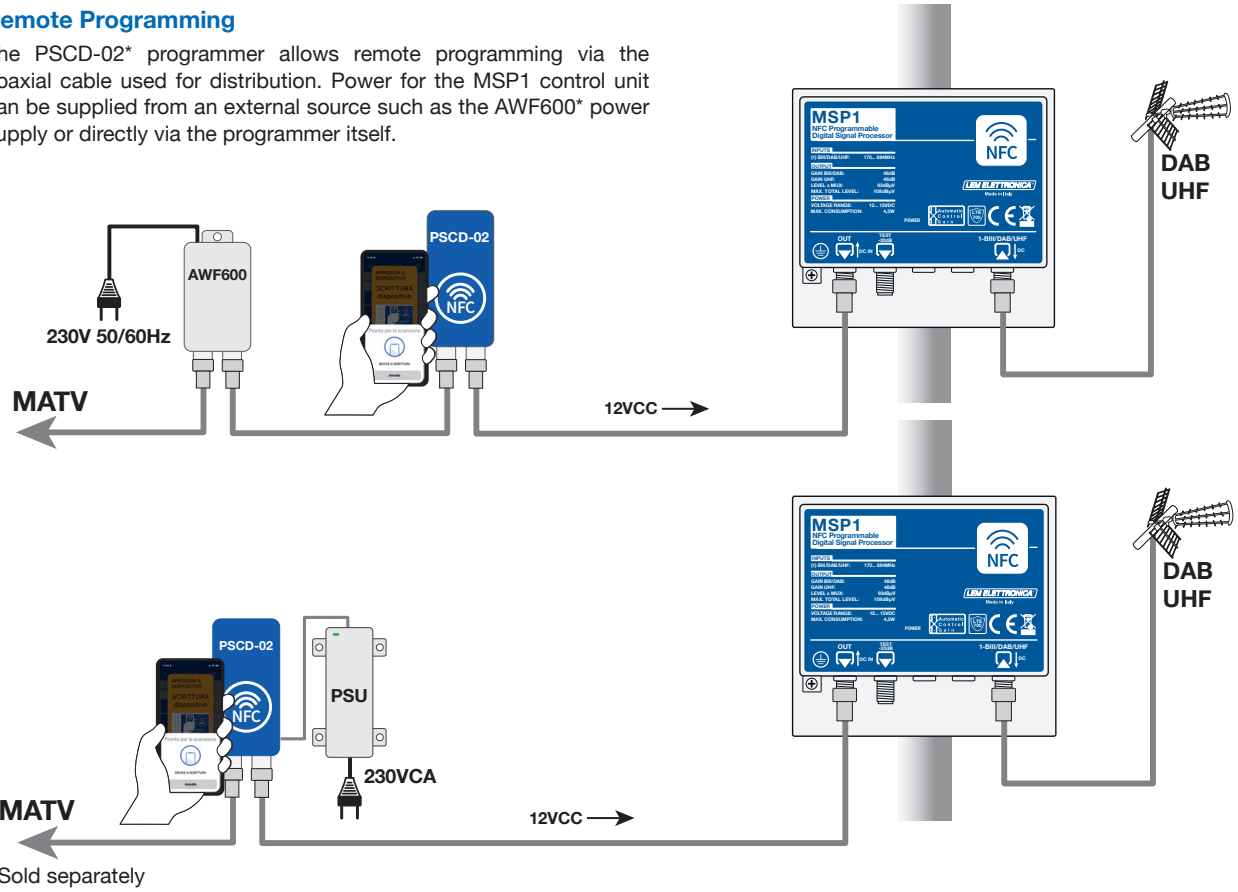
Programming & Connection diagram

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 MSP1 control panel occurs without contact via NFC by bringing the smart phone close to the control panel.

Remote Programming

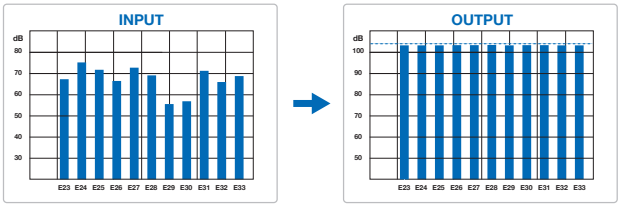
The PSCD-02* programmer allows remote programming via the coaxial cable used for distribution. Power for the MSP1 control unit can be supplied from an external source such as the AWF600* power supply or directly via the programmer itself.



⋆ Sold separately

Automatic equalization and slope adjustment

Once the configuration has been transmitted, each filter is automatically equalized to obtain a perfectly flat output spectrum. If the characteristics of the system require it, a positive SLOPE can be added to compensate the attenuation of the coaxial cables. The presence of automatic gain control C.A.G, which operates independently and in real time for each filter, ensures output signals with levels that are always constant over time.



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