

# DSA25

- ✓ **AUTO Programming with DVB-T/T2 Tuner**
- ✓ **Smart-Phone contact-less programming**
- ✓ **RED Compliant**
- ✓ **DIN rail or wall mounting**
- ✓ **High efficiency built-in power supply**



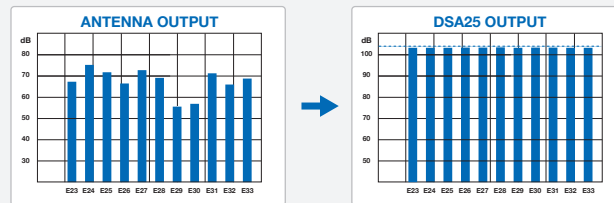
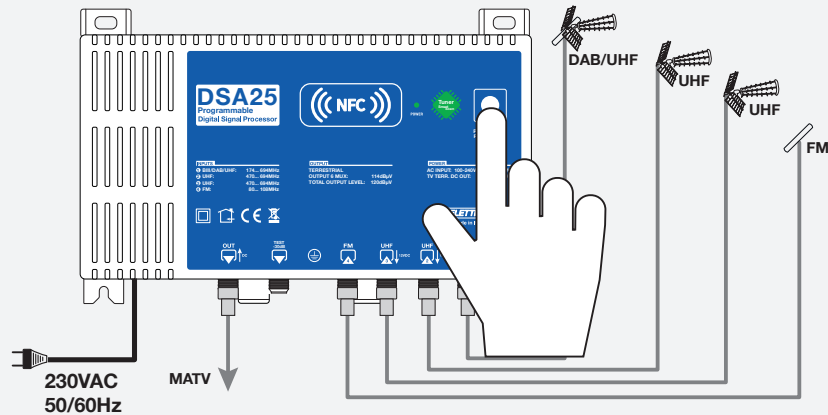
Multiband amplifier with 32 programmable digital filters for terrestrial multi dwelling installations. The amplifier can be programmed using a smartphone application LEM-NFC available either for Android and iOS. The DSP25-NCF can be also automatically programmed just pressing a button. Thanks to the built-in DVB-T/T2 tuner the amplifier detect the VHF and UHF inputs channels and performs the automatic programming of the filters.



MODEL		DSA25
NUMBER OF INPUTS	4	1 FM; 1 BIII/DAB/UHF; 2 UHF
INPUTS FREQUENCY RANGE	MHz	FM (87... 108) - BIII (170... 230) / DAB (170... 240) - UHF (470... 694)
INPUTS LTE PROTECTION FILTER		LTE700
SINGLE CHANNEL FILTERS		32
INPUT LEVEL RANGE	dB $\mu$ V	FM 35... 90 - BIII/DAB 50... 110 - UHF... 50... 100
FM INPUT AMPLIFIER	dB	+16/0 (ON/OFF)
BIII/DAB INPUT PRE-AMPLIFIER	dB	+16/0 (ON/OFF)
UHF INPUT PRE-AMPLIFIER		+16/0 (ON/OFF)
BIII/DAB - UHF INPUTS A.C.G. RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	35 @1MHz
VHF GAIN	dB	60
UHF GAIN	dB	60
OUTPUT LEVEL RANGE	dB $\mu$ V	93... 114
BIII/DAB ADJUSTABLE LEVEL	dB	0... -10
UHF ADJUSTABLE SLOPE	dB	0... -5
MAXIMUM TOTAL OUTPUT LEVEL	dB $\mu$ V	120 (IM3 DIN 45004B - 60 dBc)
MAX OUTPUT LEVEL WITH 6 MUX	dB $\mu$ V	114
RETURN LOSS IN/OUT	dB	>12
TEST OUTPUT		1 (-30 dB)
REMOTE POWER SUPPLY BIII/DAB-UHF		12VDC / 80 mA
POWER INPUT		100-240VAC 50-60HZ 8,5W MAX
OPERATING TEMPERATURE	°C	-5... 50
DIMENSIONS	mm	227 x 107 x 48

## AUTO-PROGRAMMING

After connecting the antennas, simply press a button to initiate the scanning of signals received from each input. Each MUX is analyzed individually using the integrated DVB-T/T2 Tuner and is selected only if it meets the required quality criteria. In case the same MUX is detected from different antennas, the signals are checked, and the one with the best quality parameters is selected.

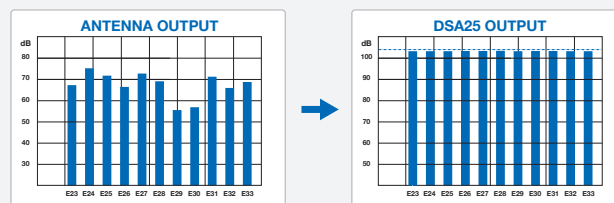
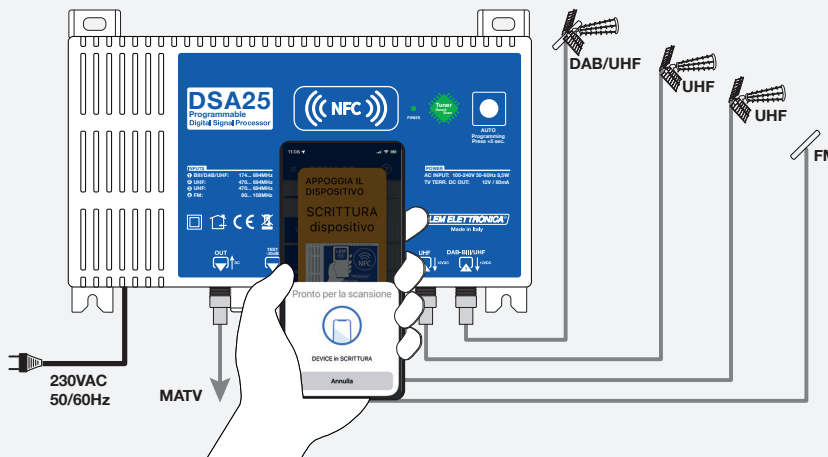


## AUTOMATIC EQUALIZATION

After completing the search and storing of received signals, each filter undergoes amplitude optimization and equalization to ensure a perfectly linear and balanced output spectrum, resulting in the highest possible output level.

## MANUAL CONFIGURATION

With the LEM NFC smartphone application, it is possible to manually program all the parameters of the control unit, or, more simply, modify them after performing the automatic search. The connection occurs wirelessly via NFC, eliminating the need for cables or additional interfaces. It is also possible to read the configuration even when the control unit is turned off and save it for future reuse



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