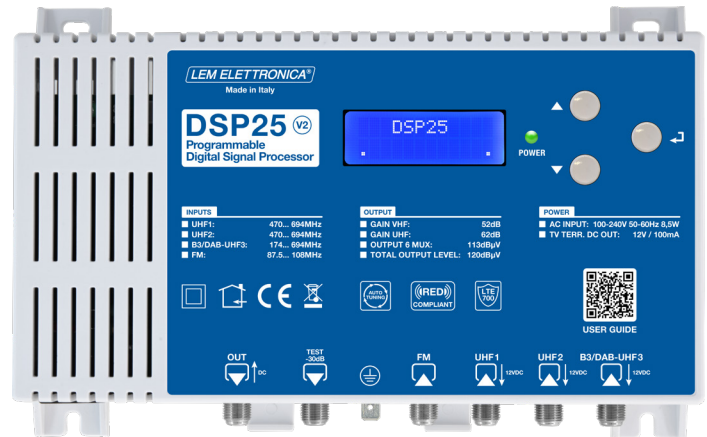


# DSP25 V2

- 24 Digits LCD display for easy set-up**
- Up to 32 high selectivity filters with ACG**
- 50dB filters on adjacent channels**
- DIN rail or wall mounting**
- High efficiency built-in power supply**
- DC powering by plug or coaxial**



Multi-input programmable amplifier unit with DVB-T and DVB-T2 digital channel processing. The excellent price/performance ratio makes it the ideal choice for a wide range of applications, from antenna systems for individual houses to small apartment blocks.



TECHNICAL SPECIFICATIONS		
NUMBER OF INPUTS	4	1 FM; 1 B3/DAB/UHF; 2 UHF
INPUTS FREQUENCY RANGE	MHz	FM (87... 108) - B3 (170... 230) / DAB (170... 240) - UHF (470... 694)
INPUTS LTE PROTECTION FILTER		LTE700 4/5G
SINGLE CHANNEL FILTERS		32
NUMBER OF CHANNEL PER FILTERS		1 (with channel to channel conversion)
INPUT LEVEL RANGE	dBµV	FM (35... 90) - DAB (35... 90) - B3 (45... 110) - UHF (45... 100)
FM INPUT AMPLIFIER	dB	-10/+10 (ON/OFF)
BIII/DAB INPUT AMPLIFIER	dB	+16/0 (ON/OFF)
UHF INPUT AMPLIFIER		+16/0 (ON/OFF)
BIII/DAB - UHF INPUTS A.C.G. RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	≥50 (adjacent channels)
VHF GAIN	dB	52
UHF GAIN	dB	62
OUTPUT LEVEL RANGE	dBµV	94... 114
BIII/DAB ADJUSTABLE SLOPE	dB	0... -10
UHF ADJUSTABLE SLOPE	dB	0... -10
MAXIMUM TOTAL OUTPUT LEVEL	dBµV	120 (IM3 DIN 45004B - 60 dBc)
MAX OUTPUT LEVEL WITH 6 MUX	dBµV	113
RETURN LOSS IN/OUT	dB	>12
TEST OUTPUT		(-30 dB)
REMOTE POWER SUPPLY BIII/DAB-UHF		12VDC / 100 mA
POWER INPUT		100-240VAC 50-60HZ 8,5W MAX
OPERATING TEMPERATURE	°C	-5... 50
DIMENSIONS	mm	217 x 145 x 45

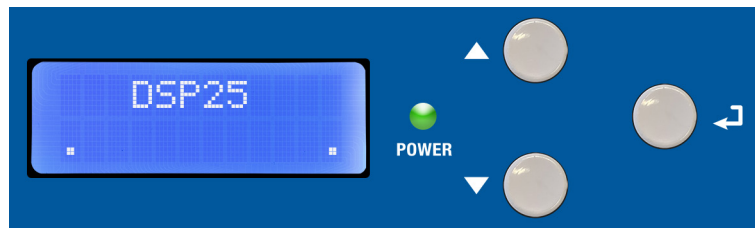
## Automatic Programming

The AUTO-TUNING function allows the amplifier to be programmed fully automatically. By selecting AUTO from the display of the DSP25, all inputs are scanned. Each channel/MUX detected is filtered and equalised to obtain a perfectly flat, interference-free output spectrum.



## Manual Programming

For manual configuration, all parameters are easily accessible via the large, backlit LCD display for best readability in all conditions.



## Input pre amplifier

Each input is equipped with a low-noise amplifier with a gain of 15 dB, which can be activated independently when needed. This feature allows signals to be received at very low levels without the use of active antennas or external amplifiers.

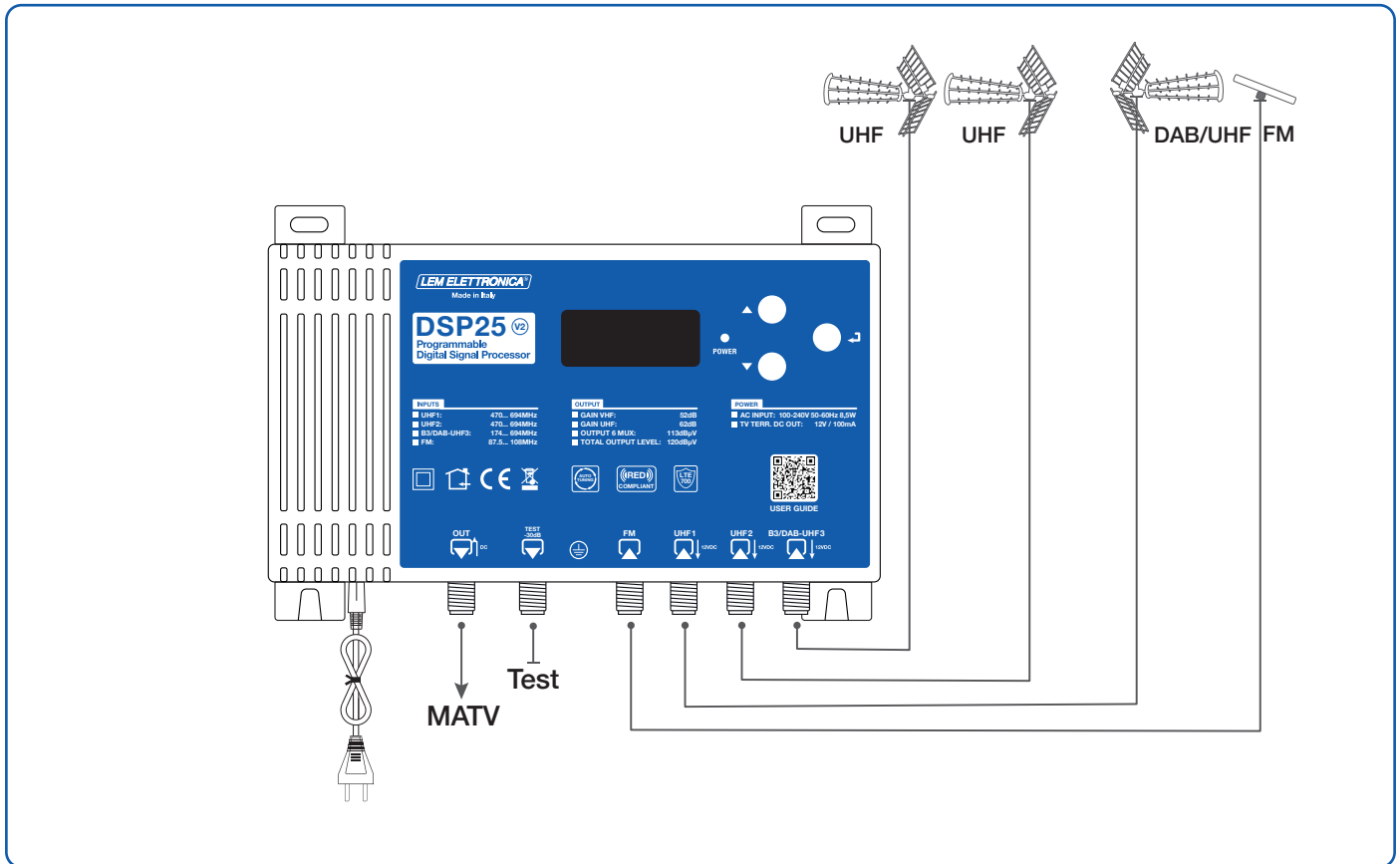


## DIN rail mounting

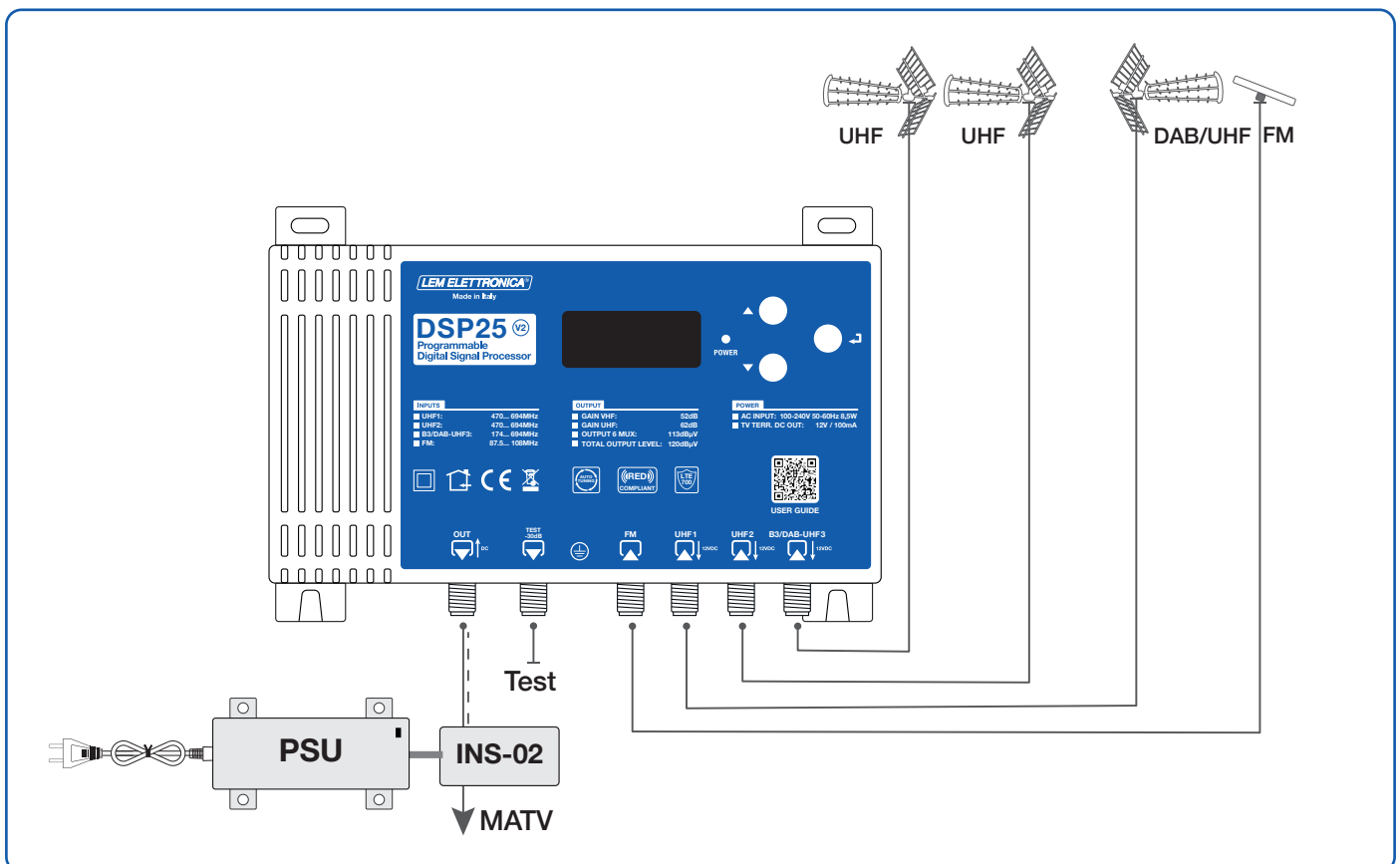
The DSP25 has an integrated housing for the DIN rail mounting system.



## Application examples



Power supply of the **DSP25** control unit via the integrated high-efficiency power supply.



In situations where a mains socket is not available, the **DSP25** can be powered remotely over the coaxial cable to the amplifier output.

Note: the external power supply and coaxial voltage inserter are sold separately.

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