

# DSP10-D

- » Oled display for on-board programming
- » AUTO-TUNING for automatic channel scanning
- » 32 High Selectivity channel filters with ACG
- » Lte700 4/5G filter technology protection
- » DIN rail and wall mounting
- » High efficiency built-in power supply
- » DC powering by plug or coaxial



**DSP10-D** is a compact and versatile amplifier designed for equalizing terrestrial signals from multiple antennas, making it ideal for fiber-optic installation.

All parameters, such as channel filters, output level, and slope, can be easily controlled and adjusted on-board using a high-resolution OLED display.

The amplifier includes a high-efficiency, low-power consumption switch-mode power supply and also supports remote power via the output coaxial cable.

**5**  
WARRANTY YEARS



## TECHNICAL SPECIFICATIONS

NUMBER OF INPUTS		1xFM - 1xDAB/BIII/UHF - 1xUHF
INPUTS FREQUENCY RANGE	MHz	FM (80... 108) - BIII (170... 230) / DAB (170... 240) - UHF (470... 694)
LTE PROTECTION		LTE 700
SINGLE CHANNEL FILTERS		32
NUMBER OF CHANNEL PER FILTERS		1... 2
CHANNEL TO CHANNEL CONVERSION		YES
INPUT LEVEL RANGE	dB $\mu$ V	FM 35... 90 - BIII/DAB 45... 100 - UHF 45... 90
INPUT PRE-AMPLIFIER	dB	OFF= 0 / ON= +15
AUTOMATIC GAIN CONTROL RANGE	dB	40 dB
DIGITAL FILTERS SELECTIVITY	dB	$\geq 50$ (Adjacent channels)
FM GAIN	dB	28
FM INPUT ATTENUATOR	dB	0/-12/-24
BIII/DAB GAIN	dB	40... 50
UHF GAIN	dB	60
TOTAL OUTPUT LEVEL RANGE	dB $\mu$ V	70... 90
BIII/DAB LEVEL ADJUSTMENT		0... -10
UHF SLOPE ADJUSTMENT	dB	0... +10
MAX. TOTAL OUTPUT LEVEL	dB $\mu$ V	105
RETURN LOSS IN/OUT	dB	>10
AERIAL INPUTS REMOTE POWERING		12V/ 60mA
OLED DISPLAY		128 x 64 pixel 5 lines
INPUT VOLTAGE	V	100... 240VAC 50/60Hz
MAXIMUM CONSUMPTION	W	8
OPERATING TEMPERATURE	°C	-15... 40
DIMENSIONS	mm	135 x 91 x 42

# Special Features & Programming

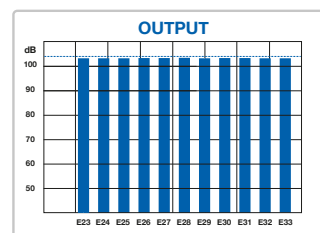
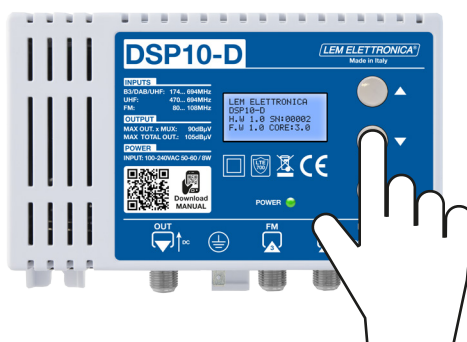
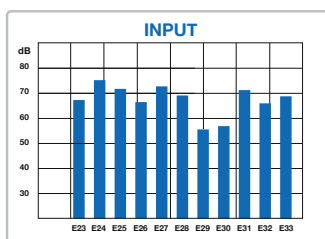
## Input pre-amplifier

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.

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DC: OFF
>AMPLI: +15dB
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## Automatic programming

The **AUTO-TUNING** function allows the amplifier to be programmed fully automatically. By **selecting AUTO-TUNING from the display of the DSP10-D**, 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, high-contrast OLED display, ensuring optimum readability in all conditions.



# DIN rail mounting

