

DSP30

- ▶ 24 Digits LCD display
- ▶ 4 Inputs
- ▶ Auto-Tuning function
- ▶ SAW filters against LTE interferences
- ▶ A.C.G. in each filter
- ▶ 32 high selectivity digital filters
- ▶ DC powering by plug or coaxial*
- ▶ Zamak chassis for high screening protection



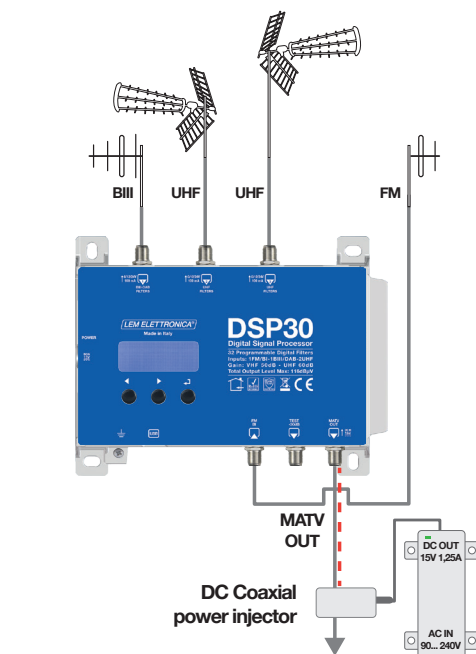
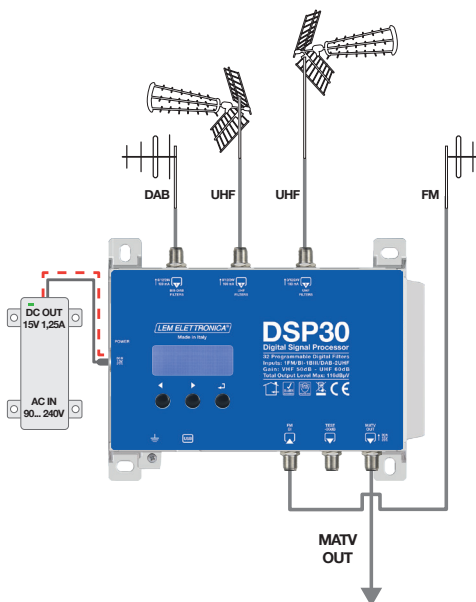
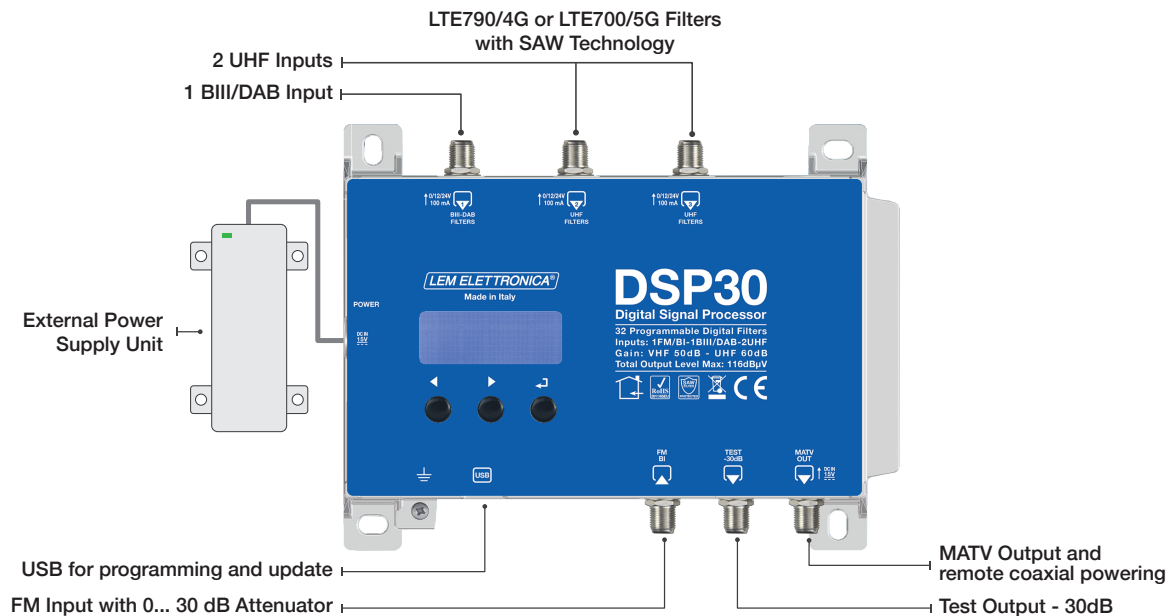
Programmable compact multi-input multiband amplifier to digitally filter, convert and equalize DVB-T / T2 channels. The built amplifier allow the use in small or medium multi dwelling units.



* require DC coaxial injector sold separately

MODEL		DSP30-4G	DSP30-5G
NUMBER OF INPUTS	4	1 FM; 1 BIII/DAB; 2 UHF	
INPUTS FREQUENCY RANGE	MHz	FM (40... 108) BIII (170... 230) / DAB (170... 240) UHF (470... 790)	FM (40... 108) BIII (170... 230) / DAB (170... 240) UHF (470... 694)
LTE PROTECTION		LTE790	LTE700
SINGLE CHANNEL FILTERS		32	
NUMBER OF CHANNEL PER FILTERS		1... 2	
INPUT LEVEL RANGE	dBµV	FM 35... 90 - BIII/DAB 40... 110 - UHF... 45... 90	
BI/FM INPUT ATTENUATOR	dB	0/-12/-24	
PRE-AMPLIFIER BIII/DAB INPUT	dB	0/+20 (OFF/ON)	
BIII/DAB - UHF INPUTS A.C.G. RANGE	dB	40 dB	
DIGITAL FILTERS SELECTIVITY	dB	35 @1MHz	
SELECTABLE FILTERS AMPLITUDE	MHz	6/7/8/9/10	
VHF GAIN	dB	50	
UHF GAIN	dB	60	
OUTPUT LEVEL RANGE	dBµV	86... 106	
BIII/DAB ADJUSTABLE SLOPE	dB	0... -10	
UHF ADJUSTABLE SLOPE	dB	0... -5	
MAX VHF-UHF OUTPUT LEVEL	dBµV	116 (IM3 DIN 45004B - 60 dBc)	
MAX OUTPUT LEVEL WITH 6 MUX	dBµV	106	
RETURN LOSS IN/OUT	dB	>12	
TEST OUTPUT		1 (-30 dB)	
USB CONNECTOR		USB 1.0 / 2.0 Type B	
REMOTE POWER SUPPLY VHF-UHF		12V / 24V 100 mA	
MAXIMUM CONSUMPTION		15Vcc 0,53A - 8W	
OPERATING TEMPERATURE	°C	-5... 50	
DIMENSIONS	mm	193 x 148 x 36	

DSP30 Connections Schematic



Three different programming option



Direct Programming

All settings can be selected and adjusted with the easy to use built-in 24 digits display.



Automatic programming

The Auto-tuning function scan and detect DVB-T/T2 signals from the VHF/UHF inputs and allocate a single digital filter for each channel.



Applications Programming

With the user friendly application LEMGUI available for PC Windows and Android IOS devices all the DSP30 parameters can be set, stored and retrieved.