

DSP20^{evo} DSP35^{evo}

- » On board and Windows/Android fully programmable
- » 32 High Selectivity channel filters with A.C.G.
- » Lte700 4/5G filter technology protection
- » DTT channel AutoTuning function
- » Single filter selectable mode Standard/Narrow/Wide
- » Dual-stage input amplifiers
- » Can be remotely power by the coaxial cable*



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



* require DC coaxial injector sold separately

MODEL		DSP20Evo	DSP35Evo
NUMBER OF INPUTS	5	1 FM/DAB; 1 VHF/UHF; 3 UHF	
INPUTS FREQUENCY RANGE	MHz	FM (87.5... 108) /DAB (170... 240) VHF/UHF (170... 230) - UHF (470... 694)	FM (87.5... 108) /DAB (170... 240) VHF/UHF (170... 230) - UHF (470... 694)
LTE PROTECTION		LTE700	LTE700
SINGLE CHANNEL FILTERS		32	
NUMBER OF CHANNEL PER FILTERS		1	
INPUT LEVEL RANGE	dBμV	FM 35... 90 / DAB 35... 90 - BIII 40... 110 - UHF... 40... 110	
FM/DAB INPUT ATTENUATOR	dB	(0/-12/-24) o (0... -20dB)	
VHF/UHF INPUT AMPLIFIERS		0/+15/+30	
BIII/DAB - UHF INPUTS A.C.G. RANGE	dB	40 dB	
DIGITAL FILTERS SELECTIVITY	dB	50 @1MHz	
SELECTABLE FILTER MODE		STANDARD - NARROW - WIDE	
VHF GAIN	dB	35	58
UHF GAIN	dB	45	68
OUTPUT LEVEL RANGE	dBμV	70... 90	96... 116
FILTER LEVEL ADJUSTER	dB	-5... +5 (1dB steps)	
FILTER OFFSET ADJUSTER	KHz	-500... +500(125KHz steps)	
VHF ADJUSTABLE SLOPE	dB	0... -10	
UHF ADJUSTABLE SLOPE	dB	0... -5	
MAX VHF-UHF OUTPUT LEVEL	dBμV	100 (IM3 DIN 45004B - 60 dBc)	123 (IM3 DIN 45004B - 60 dBc)
MAX OUTPUT LEVEL WITH 6 MUX	dBμV	90	115
RETURN LOSS IN/OUT	dB	>12	
TEST OUTPUT		-	(-30 dB)
USB CONNECTOR		USB 1.0 / 2.0 Type B	
REMOTE POWER SUPPLY VHF-UHF		12V / 24V 100 mA	
MAX POWER CONSUMPTION		15Vcc 0,46A - 7W (+ remote powering)	15Vcc 0,53A - 8W (+ remote powering)
OPERATING TEMPERATURE	°C	-5... 50	
DIMENSIONS	mm	193 x 148 x 36	

Special Features

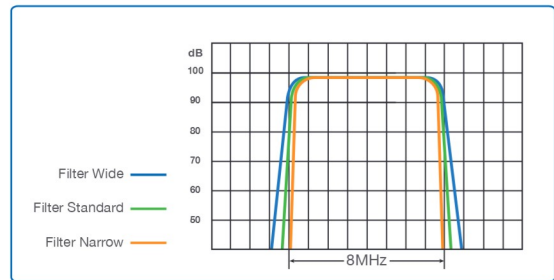
Optimised filters

For each channel, the most suitable output filter can be selected to achieve the best quality.

Standard: Filter with standard width.

Narrow: Narrow filter for adjacent channels.

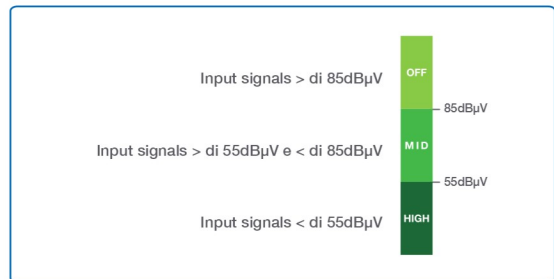
Wide: Wide filter for low quality (non-adjacent) channels.



Dual-stage input amplifiers

All inputs dedicated to digital terrestrial signals are equipped with **two-stage input amplifiers** that can be configured to obtain three different A.C.G. working windows.

This feature makes it possible to receive signals at very low levels without the need for active antennas or external amplifiers.

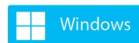


Three Programming Options



Direct Programming

The main parameters are directly controllable via keys and a 24-character display.



Android and Windows programming

With the new LEM USB application, configuration and file storage operations are made even easier and more intuitive.



AutoTuning channels scanning

To speed up programming operations, the Auto-tuning function can be used, which automatically scans and memorises the channels received from the antennas.