

ZAMAK CHASSIS

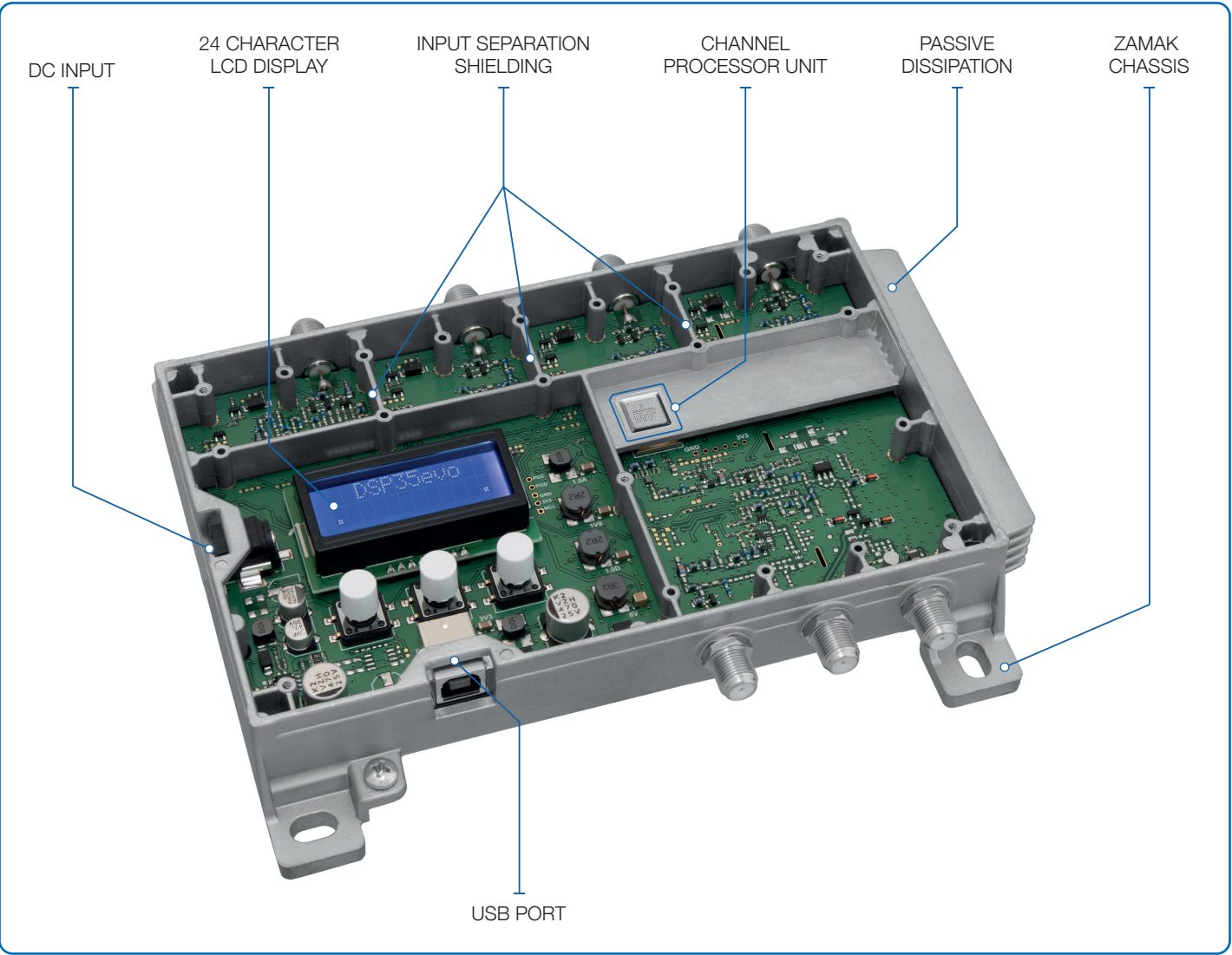
The die-cast structure guarantees optimal shielding against radio frequency interference and increases heat dissipation.

USB PORT

USB port for easy and intuitive programming of all parameters using our free LEM USB App.

SEPARATION SHIELDING

The ZAMAK die-cast structure ensures excellent separation between the inputs, preventing any signal disturbance or interference.



WARRANTY

All production processes related to the manufacture of our products are carried out entirely in Italy. Our automated assembly lines enable constant quality monitoring at every stage of production and assembly. State-of-the-art equipment is used for testing and inspection, ensuring high standards of performance, safety and reliability.

Our company is proud to offer a 5-year warranty as part of our commitment to quality and customer satisfaction. This is made possible by our rigorous and technologically advanced approach.



CHANNEL PROCESSOR UNIT

The programmable digital filters are built on innovative yet reliable dCSS technology.

LCD DISPLAY

The 24-character LCD display ensures optimal visibility for direct programming via the buttons.

QUALITY

All our products are rigorously tested to ensure maximum reliability.

LEM ELETTRONICA®

Satellite and TV reception equipment



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PROGRAMMABLE AMPLIFIERS
FOR TV TERRESTRIAL SIGNALS

AUTOMATIC PROGRAMMING



Auto-tuning function

To speed up the manual programming, simply press AUTO-TUNING to scan and store all available TV channels from the antenna.



Smart-Scan function

For users that need an easy and full automatic amplifiers programming. Every received channel from the antenna is accurately analysed using the integrated DVB-T/T2 tuner and is stored only if it meets the correct signal strength and quality standards.

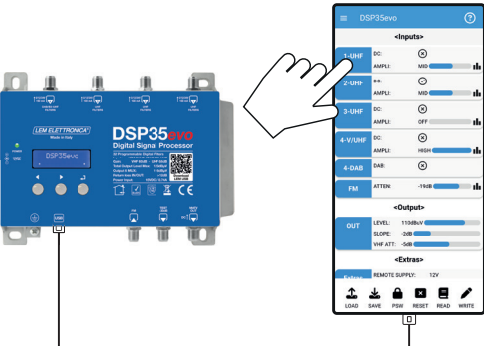
ON-BOARD DISPLAY PROGRAMMING



Direct advanced programming

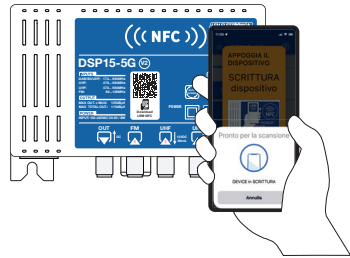
All parameters and functions can be easily managed via buttons and the integrated display.

APP PROGRAMMING



Advanced programming via APP

The programmable amplifier with built in USB port can be programmed intuitively using the LEM USB application available for Android and Windows.



Advanced NFC programming

The amplifier supporting the NFC programming can be contact-less programmed with the app LEM NFC available for iOS and Android smart phones.



RED Compliant

All amplifiers support DVB-T and DVB-T2 signals and include dedicated DAB radio filters. They fully meet the RED EN 303 354 standard requirements.



Digital channel filters

The desired channels are selected on each available antenna input, assigning a filter to each one, up to a maximum of 32 filters in total. Additionally, the selected channels can be processed to modify their output frequency.



Automatic signal adjuster

The signal level of each channel is automatically managed by the amplifier, which optimizes the output power and balances all filtered channels to prevent signal fluctuations between them.



Lte protection

All devices also features integrated 4G/5G filtering, enabling the amplifier to automatically adjust filters up to channel 48 and effectively eliminate mobile signal interference (LTE700).



Download
Complete
Catalogue

One programmable amplifier for every scenario

	DSP40pro+	DSP40+	DSP35evo	DSP20evo	DSP35SAT2evo	DSP35SATevo	DSP25	DSP25SAT	DSA25	DSP15D	DSP10D	DSP15-5G	DSA15-5G	MSP3	MSA3
INPUTS	1 B3/UHF (21-69) 1 DAB/UHF (21-69) 2 UHF (21-48) 1 FM 1 AUX	1 B3/UHF (21-69) 1 DAB/UHF (21-69) 2 UHF (21-48) 1 FM	1 B3/UHF (21-69) 1 B3/ UHF (21-48) 2 UHF (21-48) 1 FM	1 B3/UHF (21-69) 1 B3/ UHF (21-48) 2 UHF (21-48) 1 FM	1 SATELLITE 1 DAB/UHF (21-69) 2 UHF (21-48) 1 FM	1 SATELLITE 1 DAB/UHF (21-69) 2 UHF (21-48) 1 FM	1 B3/DAB/UHF (21-48) 2 UHF (21-48) 1 FM	1 SATELLITE 1 B3/DAB/UHF (21-48) 2 UHF (21-48) 1 FM	1 B3/DAB/UHF (21-48) 2 UHF (21-48) 1 FM	1 B3/DAB/UHF (21-48) 1 UHF (21-48) 1 FM	1 B3/DAB/UHF (21-48) 1 UHF (21-48) 1 FM	1 B3/DAB/UHF (21-48) 2 UHF (21-48) 1 FM	1 B3/DAB/ UHF (21-48) 2 UHF (21-48) 1 FM	1 B3/DAB/ UHF (21-48) 2 UHF (21-48)	1 B3/DAB/ UHF (21-48) 2 UHF (21-48)<
OUTPUTS	TV + TEST	TV + TEST	TV + TEST	TV + TEST	TV + SAT/TV	SAT/TV + TEST	TV + TEST	SAT/TV + TEST	TV + TEST	TV	TV	TV	TV	TV + TEST	TV + TEST
UHF GAIN (dB)	75	75	68	45	68	68	51	68	60	60	60	60	50	60	50
VHF GAIN (dB)	60	60	60	35	58	58	61	58	60			50	40	50	40
INPUTS AMPLI	0/15/30dB	0/15/30dB	0/15/30dB	0/15/30dB	0/15/30dB	0/15/30dB	0/15dB	0/15dB	0/15dB	0/15dB	0/15dB	0/15dB	0/15dB	0/15dB	0/15dB
MAX TOTAL OUT	126dBμV	123dBμV	123dBμV	100dBμV	120dBμV	123dBμV	120dBμV	120dBμV	120dBμV	115dBμV	105dBμV	115dBμV	115dBμV	115dBμV	115dBμV
OUTPUT RANGE	98... 118dBμV	96... 116dBμV	96... 116dBμV	70... 90dBμV	93... 113dBμV	96... 116dBμV	94... 114dBμV	93... 113dBμV	94... 114dBμV	85... 105dBμV	70... 90dBμV	85... 105dBμV	80... 100dBμV	70... 90dBμV	70... 90dBμV
ON-BOARD PROGRAMMING	LCD DISPLAY	LCD DISPLAY	LCD DISPLAY	LCD DISPLAY	LCD DISPLAY	LCD DISPLAY	LCD DISPLAY	LCD DISPLAY	-	OLED DISPLAY	OLED DISPLAY	-	-	-	-
USB APP PROGRAMMING	ANDROID WINDOWS	ANDROID WINDOWS	ANDROID WINDOWS	ANDROID WINDOWS	ANDROID WINDOWS	WINDOWS ANDROID	-	-	-	-	-	-	-	-	-
NFC APP PROGRAMMING	-	-	-	-	-	-	-	-	iOS ANDROID	-	-	iOS ANDROID	-	iOS ANDROID	-
AUTO-TUNING PROGRAMMING	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	
SMART-SCAN PROGRAMMING									✓				✓		✓
ANTENNA REMOTE POWER	12/24VDC	12/24VDC	12/24VDC	12/24VDC	12/24VDC	12/24VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC
POWER SUPPLIER	EXTERNAL	EXTERNAL	EXTERNAL	EXTERNAL	EXTERNAL	EXTERNAL	INTEGRATED	INTEGRATED	INTEGRATED	INTEGRATED	INTEGRATED	INTEGRATED	INTEGRATED	EXTERNAL	EXTERNAL
USE	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	OUTDOOR	OUTDOOR
DIMENSIONS	192x217x37	192x217x37	193x149x36	193x149x36	193x149x36	193x149x36	217x145x45	217x145x45	217x145x45	135x91x42	135x91x42	135x91x44	135x91x44	129x128.5x51.5	129x128.5x51.5