

DSP35SAT

Programmable Multiband Amplifier

- ✓ **Active satellite input 38 dB gain**
- ✓ **32 High Selectivity channel filters with ACG**
- ✓ **Lte 5G SAW filter inputs protection**
- ✓ **DTT channel AutoTuning function**
- ✓ **Die casting zamak chassis**
- ✓ **External power supply**
- ✓ **On board and Windows/Android fully programmable**

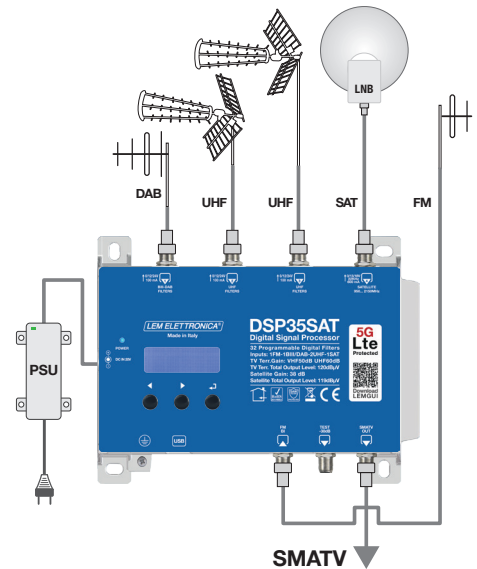
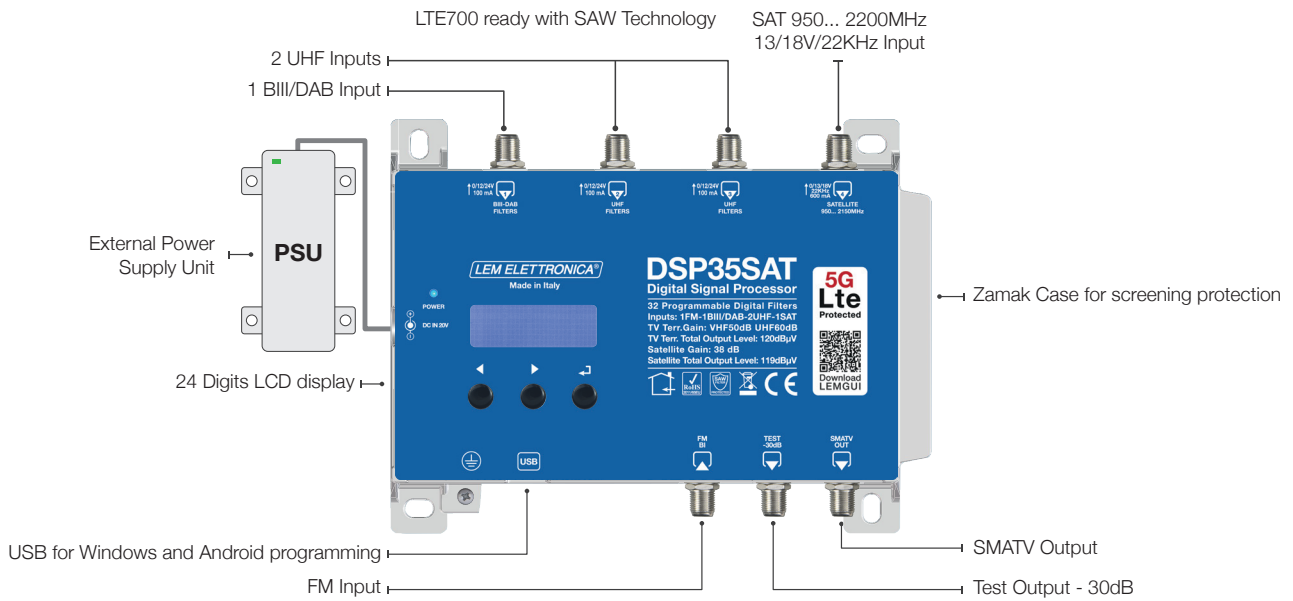


Programmable compact multi-input multiband amplifier to digitally filter, convert and equalize DVB-T / T2 channels. The built in high output amplifier allow the use in medium or large multi dwelling units.



| MODEL | | DSP35SAT |
|----------------------------------|------|--|
| TV TERRESTRIAL | | |
| 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... 694) |
| SINGLE CHANNEL FILTERS | | 32 |
| NUMBER OF CHANNEL PER FILTERS | | 1... 2 |
| INPUT TOTAL LEVEL RANGE | dBμV | FM 35... 90 - BIII/DAB 45... 110 - UHF... 45... 100 |
| BI/FM INPUT ATTENUATOR | dB | 0/-12/-24 |
| INPUT AMPLIFIERS | | VHF 0/+20 (OFF/ON) - UHF 0/+10 (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 |
| GAIN | dB | VHF 58 - UHF 68 |
| OUTPUT LEVEL RANGE | dBμV | 93... 113 |
| BIII/DAB ADJUSTABLE GAIN | dB | 0... -10 |
| UHF ADJUSTABLE SLOPE | dB | 0... -5 |
| MAX TOTAL VHF-UHF OUTPUT LEVEL | dBμV | 120 (IM3 DIN 45004B - 60 dBc) |
| MAX OUTPUT LEVEL WITH 6 MUX | dBμV | 113 |
| MAX REMOTE POWER BIII/DAB-UHF | | 12V / 24V 100 mA 2,4W |
| SATELLITE | | |
| NUMBER OF INPUT | 1 | 950... 2.200MHz |
| SAT INPUT TOTAL LEVEL RANGE | dBμV | 60... 100 |
| GAIN | dB | 38 |
| ADJUSTABLE GAIN | dB | 0... -20 |
| ADJUSTABLE SLOPE | dB | 0... -7 |
| MAX TOTAL OUTPUT LEVEL | dBμV | 119 |
| MAX LNB REMOTE POWER | | 13/18V 22KHz 600mA 10,8W |
| COMMON | | |
| RETURN LOSS IN/OUT | dB | >12 |
| TEST OUTPUT | | 1 (-30 dB) |
| USB CONNECTOR | | USB 1.0 / 2.0 Type B |
| MAXIMUM CONSUMPTION | | 20Vcc 0,45A-9 W + Remote power (13,2W) |
| OPERATING TEMPERATURE | °C | -5... 50 |
| DIMENSIONS | mm | 193 x 148 x 36 |

Connection Diagram



AutoTuning Function

For faster programming operations just run the AutoTuning function and in few seconds DVB-T/ T2 channels will be detected by level and a filter will be automatically allocated for each MUX.

Three different programming mode



Direct Programming

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



Windows Application Programming

PC Windows can easily be used to setup, store and retrieve all settings through a standard USB cable.



Android Application Programming

Android tablet or smart phone supporting USB OTG mode can be used to setup, store and retrieve all settings.