

Item no.: 389448

AVANTXP-DD2 - AVANT X Pro, prog. Multi-range amplifier, FM, DAB, 3xDVB-T

from **452,28 EUR**

Item no.: 389448
shipping weight: 1.00 kg
Manufacturer: Teledes



Product Description

A new evolutionary stage Multiband amplifier, ideal for terrestrial and satellite powered individual or community installations, allowing the programming of up to 32 digital filters on 4 VHF+UHF inputs (DVB-T). The multiband amplifier is equipped with 5 inputs and can be configured with 2 distribution modes: FM-4xVHF/UHF or FM-DAB-3xUHF. It provides programmable gain and balance of the various RF inputs. Easy configuration and adjustment via the ASuite app for Android or Windows. The Pro model has an auto-programming function that allows the multiband amplifier to programme itself. The LED indicators on the device show whether it has been successfully executed. It also allows the VHF/UHF signal to be monitored for both level and SNR (signal-to-noise ratio) and generates an installation report (PDF file). The multiband amplifier recognises the LTE signals and sets the filter based on the LTE filtering at channel 48 (LTE700). Supports RED. Highlights-Digital processing of terrestrial TV signals-Up to 32 individually programmable filters: digital filtering also for adjacent channels (1 to 4 channels)-Digital channel processing: frequency shift for output channels Automatic signal adjustment for each filter (AGC): Manual adjustment of the output signal also possible-UHF/VHF digital filters with high selectivity: 30dB interference signal suppression (@ 1MHz) SAW filter (Surface Acoustic Wave) against LTE interference, with best selectivity and stability- Compatible with DVB-T and DVB-T2 Force technology: So that the terrestrial signal level is always stable and set to the optimum value- Storage of multiple configurations for cloning different Avant XCast housing with very good shielding properties Lightweight and compact multiband amplifier with a wide range of functions (225x120x55mm)- Very easy configuration with the ASuite application for Android or Windows Features- Inputs configurable in 2 modes: 4 inputs support VHF/UHF, or one of the inputs is for DAB and the remaining 3 for UHF- Automatic adjustment according to the programmed output level and equalisation- High output power- Filter configuration: no restrictions Automatic programming: the amplifier scans the VHF/UHF inputs to find the best DVB-T/T2 channel so that it can automatically and optimally assign each multiplex to a filter- With the ASuite app: channel monitoring with DVB-T/T2 parameters (identification, level, CNR, CBER (DVB-T) or PER (DVB-T2)) and installation report as pdf with all settings and measurements (Download: Example of a PDF report) Power supply for preamplifiers or BOSS antennas LED status display for device and signal Power supply unit easy to replace Technical specifications- Number of inputs 5- Number of outputs 1- Frequency band VHF DAB UHF- Frequency range MHz 87 ... 108 174 ... 230 470 ... 694- Number of filters -- 1 31- Channels per filter -- 1 ... 4- Gain dB 29 75 75- Gain adjustment dB 0 ... 25 AGC AGC- Manual control after automatic adjustment dB -5 ... 5 -5 ... 5 -3 ... 3- Skew adjustment dB -- 0 ... 5- Input level dB?V 76 ... 101 40 ... 100 40 ... 100- Output voltage DIN45004B dB?V 122 122 122- Output voltage EN50083 dB?V 126 126 126- Programmable output level dB?V 80 ... 105 87 ... 112 90 ... 115- Noise level dB 7 7 6- Selectivity dB > 20 > 65 > 65- Voltage supply inputs Vdc -- 12 12- Max. Current inputs mA -- 70 --- Input voltage Vac 220 ... 230 - Mains frequency 50 Hz / 60 Hz- Max. Current consumption mA 130- Max. Power consumption W 14- Protection index (IP) 20- Operating temperature °C -5 ... 45 Good to know Avant X: It will exceed your expectations The Avant X is a programmable multi-range amplifier whose main function is to amplify and equalise various RF inputs. VHF+UHF inputs: The channels at these inputs can be filtered and equalised using a maximum of 32 digital filters. Each filter can be set to one of the VHF+UHF channels and the bandwidth ranges from 1 to 4 channels. The arrangement of the 32 filters is configurable depending on the number of channels at each VHF+UHF input. Compatible with DVB-T and DVB-T2. The output level can be set between 90-115dB μ V for the version with 1 output (BASIC and PRO) and between 86-111dB μ V for the version with 2 outputs (BASIC SAT and PRO SAT). In addition, equalisation of up to 5 dB can be configured at the output. FM input: can be activated or not. If this input is activated, it is amplified and the output level is 10 dB below the UHF channel (equalisation is taken into account). SAT input: An attenuation of between 0 and 30 dB and an equalisation of between 0 and 15 dB can be assigned to the satellite input. The LNB can be supplied with power via a receiver (REMOTE). Simply select the programming mode... The amplifier can be programmed using three options: App ASuite for PC/Mac or tablet/Android smartphones via a USB connection (OTG cable included): The amplifier's parameters are configured in a user-friendly and intuitive environment. A configuration can be defined and saved, even if there is no connection to the amplifier, so that it can be restored later during installation and adjustment. In the PRO versions, the app allows the monitoring of qualitative parameters of the channels and the creation of an installation report with the configuration carried out. Universal programmer (Ref. 7234): The amplifier is compatible with the programming unit, ensuring backwards compatibility. Automatic programming via the "AUTO-PROGRAMMING" button (long press) of the amplifier: using a tuner that recognises the DVB-T/T2 channels for the UHF and VHF inputs, with this option the amplifier performs automatic programming of the filters and an adjustment of the appropriate level to avoid intermodulation. Pressing the "READJUST" button (short press) resets the amplifier to the stored configuration values. Once the amplifier has been set, manual fine adjustments can be made and the gain of the UHF+VHF and FM filters can be easily corrected.

Specifications

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prices and availability

