

Code: WWK-ALPHA+

DIGITAL SELECTIVE AMPLIFIER **WWK-ALPHA+** TELMOR

WWK-ALPHA+ is a digital selective amplifier. This device will be the best choice as a first active device in terrestrial television signal distribution network and other signals (e.g. using ports AUX, DAB, FM).

Each DVB-T/T2 signal can be configured separately according to input and desired output frequency as well as output level. Additionally, it is also possible to check the output power level at selected frequencies (dynamic measurement). Installation and parameter adjustment are done by local manipulator and are visible on large display.

The device has a built-in LTE,5G signal filter that eliminates unwanted signals in the 700/800 MHz band intended for the implementation of data transmission services (LTE,5G). Thanks to the possibility of powering the preamplifiers, it is not necessary to use power inserters in the case of using active antennas. (VHF/UHF1-4). Test point with 30dB attenuation will allow you to use it for measurements on simple meters or for connecting the signal to optical distribution systems without additional accessories in the form of attenuators.



Frequency range:	• 87.5 MHz ... 108 MHz - FM, • 170 MHz ... 230 MHz - VHF / DAB, • 470 MHz ... 862 MHz - UHF, • 47 MHz ... 862 MHz - AUX
Gain :	• 35 / 25 dB @ FM • > 70 dB @ VHF / DAB • > 70 dB @ UHF • 22 / 10 dB @ AUX
Number of inputs/outputs:	6 / 1 + 1 (test, -30dB)
Pre-amplifiers powering:	12 V DC : 50 mA / VHF/UHF 1-4 input
Gain adjustment:	• 0 dB ... 20 dB (FM/DAB/VHF/UHF) • 0 dB ... 20 / 10 dB (AUX)
Cable loss correction:	0 dB ... 9 dB (DAB/VHF/UHF)
Maximal output level DIN45004B:	• 118 dBμV (FM/DAB/VHF/UHF), • 112 dBμV (AUX)
Return loss:	> 10 dB
S/N ratio:	< 7 dB @ FM

Main features:	• DVB-T, DVB-T2, DAB, DAB+ compliance • Digital signal processing • 32 channel filters - selectivity > 35 dB • High isolation between inputs : > 35 dB • Built-in LTE / 5G filter • Automatic and manual preamplifier adjustment • AGC Automatic Gain Control for all channels • Minimum input level : 40 dBμV • Power input signals measurement • Auto output power equalization • Adjustable cable power loss correction • Individual adjustment of output levels • Large, readable LCD display • One-touch action buttons • Built-in European channel plan • Channel scan function • Protections : Overvoltage, Short-circuit • DAB mode (VHF bandwidth) with level adjustment • AUX port for connecting a modulator or a headend • Port USB • Test point -30dB
Power supply:	12 V DC / 2 A (power adapter included)
Power consumption:	20 W (max)
Operation temp:	0 °C ... 50 °C
Weight:	0.68 kg
Dimensions:	200 x 190 x 51 mm
Manufacturer / Brand:	TELMOR
Guarantee:	2 years