



## Outdoor multiband amplifier 12V broadband and channel inputs ACK series

**art. 28-066**  
**ACK3/10 V-U-3Can.U 12V**

Outdoor multiband amplifier with broadband and channel inputs, indicated for small size TV systems, ideal for those areas where **Rai** muxes (ch. 26, 30, 40 and regional channel which is adjacent or half-adjacent to one of them) are received from a different direction than the muxes of other broadcasters (e.g. **MEDIASET** ch. 36, 38, 49, 52 and 56, **DFREE** ch. 50, **LA3** ch. 37).

This product is particularly suitable for the following regions: Basilicata, Emilia Romagna, Friuli Venezia Giulia, Lazio, Marche, Molise, Puglia, Sicilia, Toscana, Umbria, Valle d'Aosta.

In these regions RAI regional channel is adjacent or half adjacent to one of the RAI national channels (26, 30, 40):

e.g. channels 24/26, 30 and 40 (where "24/26" is an enlarged channel that includes both the regional channel 24 that the channel 26).

This amplifier is designed to optimize the amplification of DTT signals in the range E02÷E60, attenuating the LTE 800 MHz band without preventing the proper functioning of the channel E60.

Each input is equipped with a coaxial attenuator (0÷20 dB) as level regulator and a switch to enable remote power supply.

The 3 coaxial attenuators (0÷20 dB) are distributed as follows:

- 1 for VHF band
- 1 for UHF band
- 1 for channels

When ordering you must specify the desired UHF channels.

The VHF band includes up to S20 channel (300 MHz), with the exception of FM signals.

### Characteristics

- Shielded housing with screw F-type connectors
- All broadband and channel inputs are amplified
- Separate amplification for the VHF and UHF bands

Code	28-066
Item	ACK3/10 V-U-3Can.U 12V
No. of inputs	3
No. of coaxial attenuators (0÷20 dB)	3
VHF band noise figure	dB 4
UHF band noise figure	dB 5
VHF band max output level*	dBμV 110
UHF band max output level*	dBμV 120
VHF band gain	dB ±2 12
UHF band gain	dB ±2 9
UHF channels gain	dB ±2 10
Absorbed current	mA 90
Supply voltage	Vdc 12
Dimensions (LxWxH)	mm 142x60x130
Packaging dimensions (LxWxH)	mm 145x60x140
Packaging weight	Kg 0,5
Fit temperature	°C -10 ÷ +55
Compliant to	EN 55083-2, EN 60065

\* Maximum output level measured with the method IM3 -35dBc 2 tones.

Technical data refer to a temperature of 25 °C

### Example of application

