

# TVoTP Amplifier - Terrestrial & Satellite DIN-rail mountable



## ABI-EV4003SST

- ✓ Outstanding TV picture quality everywhere
- ✓ Transmit RF TV signals over high-grade Twisted Pair cabling
- ✓ Terrestrial (DVB-T) or Satellite (DVB-S) feeder networks
- ✓ 88 - 790 MHz  
950 - 2150 MHz Forward path
- ✓ 3 x RJ45 Twisted Pair balanced TV or STB home cabling outputs



This 790MHz/2150 MHz wideband RF coax-to-twisted pair TV amplifier is the hub for the small-to-medium size flat or house for Terrestrial aerial-based TV and radio channels (FM, analog VHF-UHF, DVB-T) in the band between 88MHz and 790MHz or Satellite TV and radio channels (DVB-S) in the IF band between 950MHz and 2150MHz

### Input coax port:

The amplifier's main input accepts broadband FM, TV and SAT IF signals in the range between 88 and 2150MHz.

### Output RJ45 ports:

The combination FM/VHF/UHF up to 790MHz is offered on three RJ45 connectors that can be connected via OmniMedia cable to RJ45 wall outlets.

The SAT IF signal is available on Port 1 only, to feed a satellite receiver.

The amplifier's gain can be turned down 20dB, separately for the UHF and SAT bands, with two potentiometers accessible through the cover of the housing, in case the input coaxial signal is too high.

The amplifier is built inside the VertiGo aluminium housing and can be mounted on a DIN rail either at an angle of 45° or vertically, or laid flat on a shelf. This enables the use inside residential and industrial DIN rail enclosures, mounted on a wall, inside a 19" rack or placed on a tabletop or shelf.

The sturdy extruded aluminium housing provides exceptional thermal conduction, effectively cooling the electronics, and protection from Electromagnetic interference and Electrostatic Discharge.

The amplifier comes supplied with the appropriate power supply model ABI-PS4018S03.

## CHARACTERISTICS

- 1 F coax input: Aerial/Satellite
- RJ45 port nr 1: SAT 950-2150MHz, 16-28dB gain  
DTT 88-790MHz, 20-25dB gain  
max levels 106dBµV Sat and UHF
- RJ45 ports 2 & 3: DTT/Cable 88-790MHz DS, 18-22dB gain  
max levels 103dBµV  
5-65MHz US return path, 7dB loss

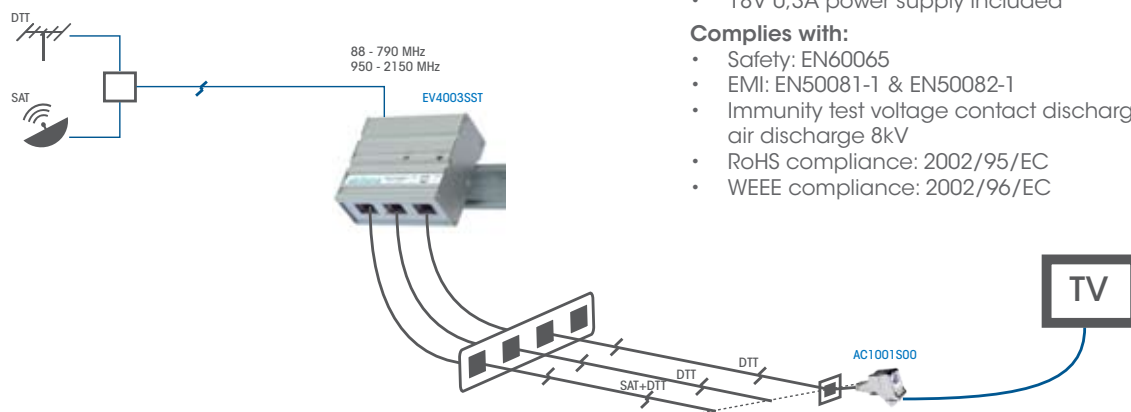
- Max. Link length on 2200MHz cable:

	DVB-C	DVB-T	DVB-S low	DVB-S high
Full band	≤ 40m	≤ 50m	≤ 50m	≤ 40m
Single channel	≤ 70m	≤ 80m	n.a.	n.a.

- 5 DIN positions wide
- LNB feedthrough 13V/18V:22kHz, 400mA
- 18V 0,3A power supply included

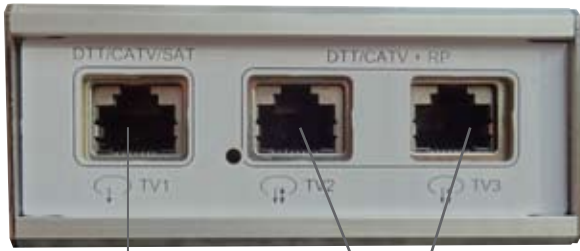
### Complies with:

- Safety: EN60065
- EMI: EN50081-1 & EN50082-1
- Immunity test voltage contact discharge 4kV, air discharge 8kV
- RoHS compliance: 2002/95/EC
- WEEE compliance: 2002/96/EC



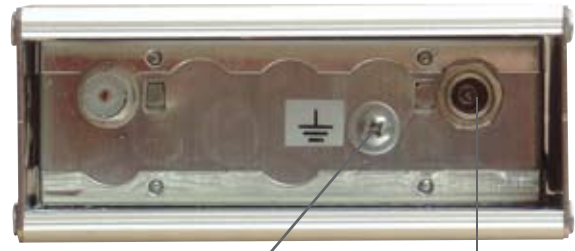
Specifications are subject to change without notice.

## OPERATION



DTV / SAT  
output

DTV outputs



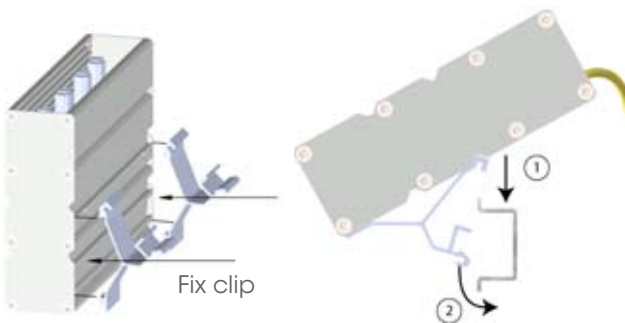
Grounding lug  
**MUST IMPERATIVELY BE CONNECTED  
TO PROTECTIVE GROUND!**

Power Supply

Only use the power supply (ABI-PS4018S03 nominal 18VDC/0.3A) that came with the switch, or an equivalent proposed by Abitana.

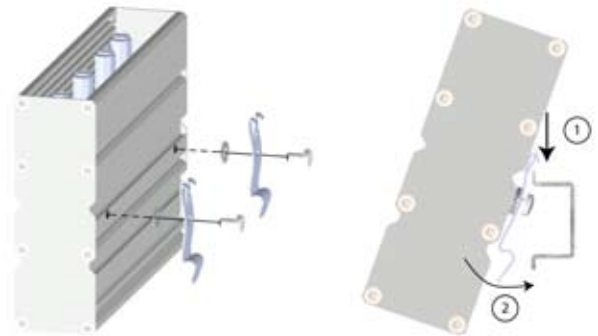
## VertiGo MOUNTING

### 45° DINrail



Fix clip

### Vertical DINrail (optional)



### Horizontal



Remove clip