

HTI HEADEND

It receives contents from 4 DVB-T/T2, DVB-S/S2 or DVB-C transponders/muxes and broadcasts them in 4 DVB-T, DVB-C or IP output channels.

NEW PRODUCT



Quad universal tuner



Output 4 DVB-T or DVB-C selectable channels



Remote management enabled



It allows a future increase in services



It allows a video service to be sent with several different languages without taking up more space



It allows channel lineups to be created and managed remotely

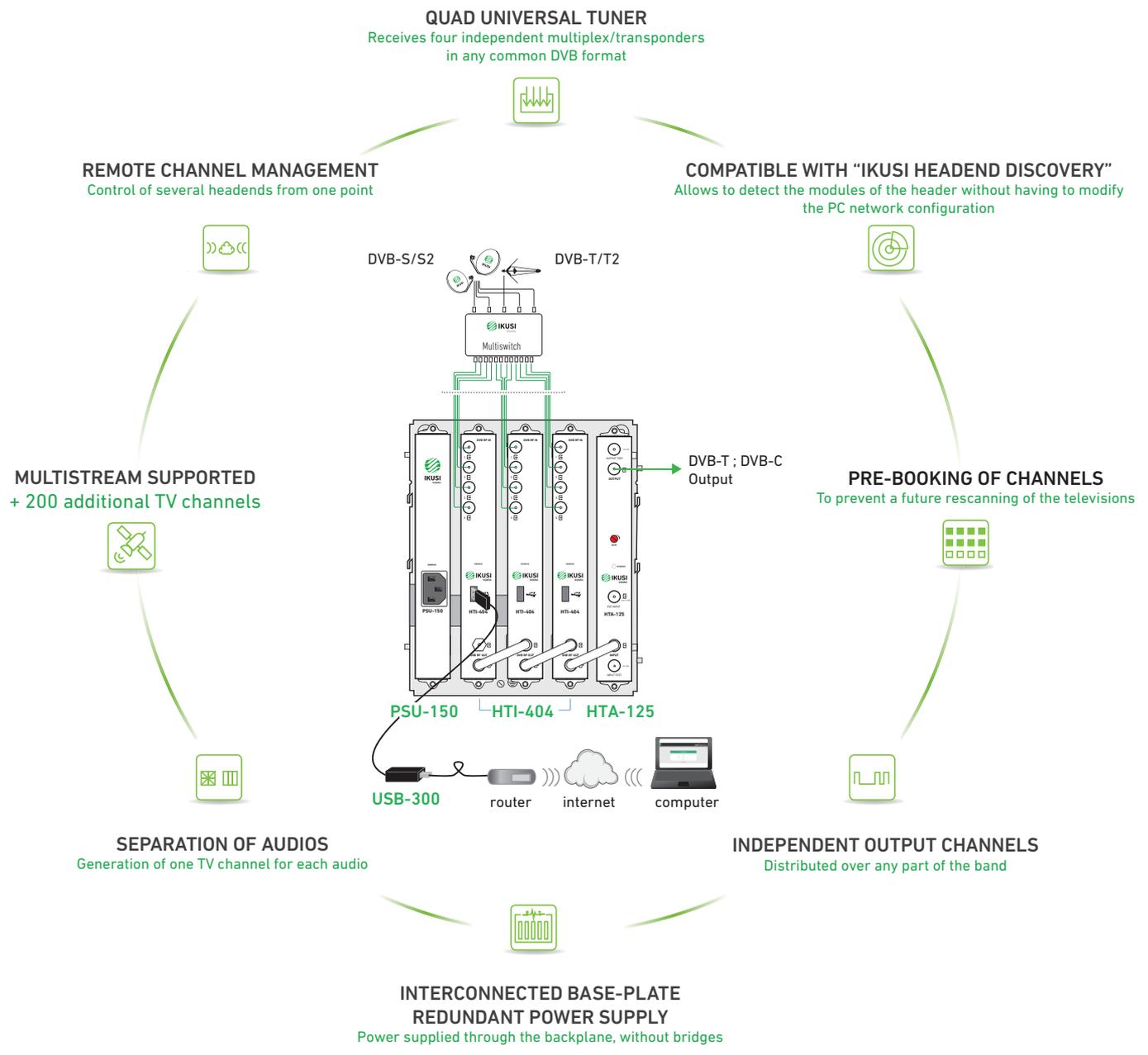


Power supplied through the backplane, without bridges



European Product

 Headend that allows to use four independent inputs (to be used with a multiswitch) or to use in “1 Input + Loop through” mode (for Unicable or terrestrial/cable antenna installations).



DVB-T and DVB-C Output

DVB-T/T2/S/S2/C ▶ DVB-T/C Quad transmodulator

NEW PRODUCT



- Versatile transmodulation of DVB-T/T2, DVB-S/S2 and DVB-C channels to DVB-T/DVB-C channels.
- The HTI-404 module can receive 4 DVB-T/T2, DVB-S/S2 or DVB-C muxes and broadcasts them in 4 DVB-T or DVB-C output channels.
- One module acts as the “master” to ensure the configuration (remote or local through PC) is carried out at the complete headend level, through the IKUNET bus and not module by module.
- It allows a future increase in services to be foreseen in order for the televisions to have them already on their lists, avoiding the need for retuning.
- It allows a video service to be sent with several different languages without taking up more space than that corresponding to an RF channel. The television shows “a programme” for each language, avoiding the need for users to have to choose their “language” on the television remote control.
- It is compatible with the PC application: “IKUSI HEADEND DISCOVERY” This instrument provides installers with a tool that allows them to detect the headend’s modules without having to modify the PC’s network configuration.
(This can be downloaded from www.ikusi.tv).
- It allows channel lineups to be created and managed remotely, ensuring that the lineup is completely customisable without having to work in-situ.
- The four DVB-T/C output channels can be distributed onto any part of the band.
- Total control of the multiswitch. Fitted with DiSEqC.

MODEL		HTI-404
REF.		3864
Inputs		4
Input frequency range	MHz	DVB-T/T2: 47 - 862 DVB-S/S2: 950 - 2150 DVB-C: 47 - 862
Input level	dBµV	40 - 92
Symbol rate	MS/s	DVB-S: 1...45 DVB-S2: 1... 45 DVB-C: 1... 6.952
Maximum input current		100mA in 2,3 and 4 connectors. 250mA in 1 connector
Fitted with DiSEqC (v. 1.1)		No limit on number of polarities
TS Processing		
PSI/SI adaptation		Generating and inserting tables PAT, PMT, CAT, SDT, BAT, NIT, TDT, TOT, EIT
NIT adaptation		Yes (automatically generated)
SDT adaptation		Yes (configurable input name)
LCN, TDT, TOT management		Yes
Cloned services		Yes, from any input to any output
Outputs		
Number of outputs		4 channels DVB-T / DVB-C (47 - 862 MHz)
MER	dB	> 40
Output level	dBµV	85
Maximum output bit rate DVB-T	Mbps	31.7
Operation modes DVB-T		2K / 8K
Output bandwidth DVB-T	MHz	6 / 7 / 8
Modulation formats DVB-C		16 QAM / 32 QAM / 64 QAM / 128 QAM / 256 QAM
Maximum output bit rate DVB-C	Mbps	53
Adjustable output level	dB	-15
Symbol rate DVB-C	MS/s	3 ... 7.2
Output loop-through loss	dB	1.1
General		
Configuration		PC. Interface web Ikusi Headend Discovery (v1.8.5)
Management interface		USB 2.0 Host frontal
Supply voltage	VDC	+24
Operating temperature	°C	0... +45
Consumption	A	0.67
Dimensions	mm	230 x 195 x 32



IKUSI
velafita

smartexperience

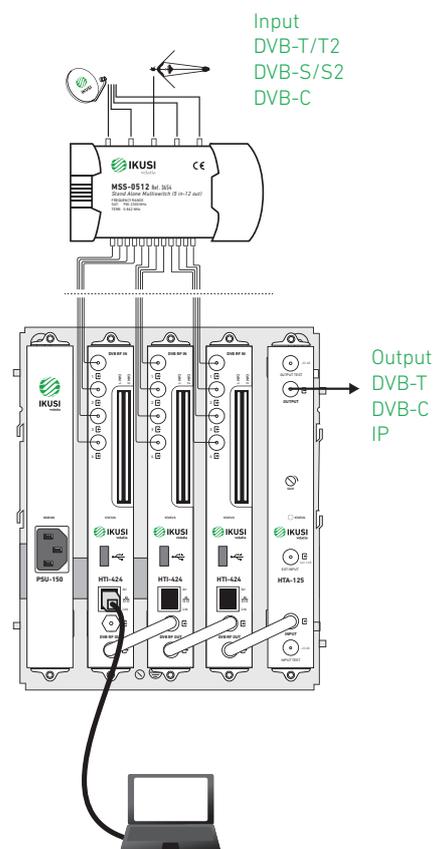
Coming Soon!

New Transmodulator



HTI-424

- Quad transmodulator
- IP output
- Double Common Interface
- Ethernet connector
- 1 input + loop or 4 inputs
- IP Multicast, IP Unicast
- Multistream supported



Power supply

NEW PRODUCT



MODEL		PSU-150
REF.		3865
Regulation type		switched-mode
Mains supply voltage (50/60 Hz)	VAC	100 - 240
Output voltage	V	+24
Max current	A	6.5
Efficiency	%	> 89
Operating temperature	°C	-10 ... +45
Mains lead		Class I IEC 320/C13 (not included)
Dimensions	mm	230 x 190 x 33

- The PSU-150 power supply has the capacity to deliver power to the most demanding HTI headend configuration.
- The current distribution is done through the BACK-500 base plate, without plug bridges.
- The power supply can be installed in any position of the BACK-500 base plate, except in the slot reserved to the master device (second slot)
- Moreover, its design allows to use the power supply in installations with 2 power supplies, working in redundant way.

Power amplifier



MODEL		HTA-125	
REF.		3868	
Bandwidth	MHz	47 - 862	
Gain	dB	45	
Interstage variable attenuator	dB	0 - 20	
Noise figure	dB	≤ 6	
Output level (IMD3 -60dB, DIN 45004B)	dB	≥ 125	
Output level (IMD2 -60dB, EN 50083-3)	dBμV	≥ 120	
Input test	dBμV	-20 ±1.5	
Output test	dB	-30 ±1	
Extension input	Bandwidth	MHz	47 - 862
	Gain	dB	6
Supply voltage	VDC	+24	
Consumption	mA	450	
Operating temperature	°C	-10... +55	
RF and Test connectors		Female F	
Dimensions	mm	230 x 195 x 32	

- Amplification of the signal generated by a headend of HTI modules. Additionally, the HTA-125 has an extension input that facilitates coupling of the signal provided by another existing headend.

Base-plate for HTI Headend

NEWPRODUCT

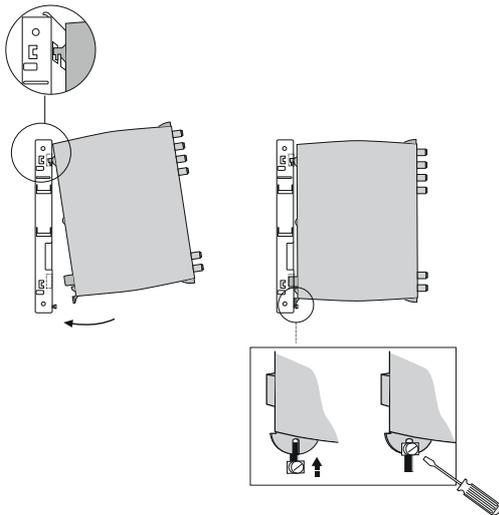


MODEL	BACK-500
REF.	3866

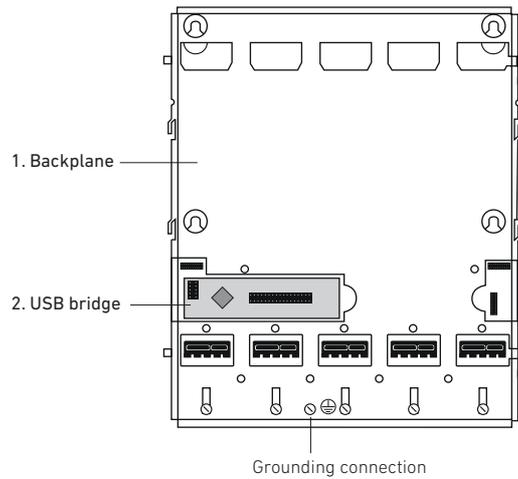
- The BACK-500 base-plate allows to fix mechanically the HTI product range modules, to distribute the supply lines and to communicate the different modules that are inserted in the headend.
- The base-plate is formed by two parts:
 1. Backplane
 2. USB bridge
- The backplane is in charge of fixing the modules, distributing the power supply and carrying the communication lines towards the USB bridge.
- The USB bridge is in charge of connection all the modules that are inserted in the base-plate with the master module.
- Interconnected base-plate, does not need alimentation bridges between modules.
- The base-plate can be fixed to the wall or in a rack frame by means SR-HTI of fixing accessories (joining 2 base-plates).

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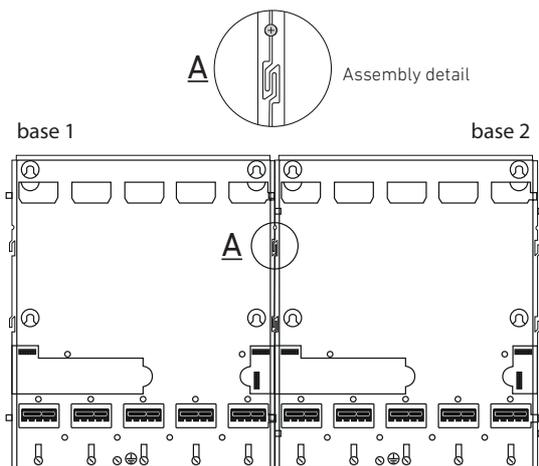
Fitting modules in the base-plate



Base-plate BACK-500

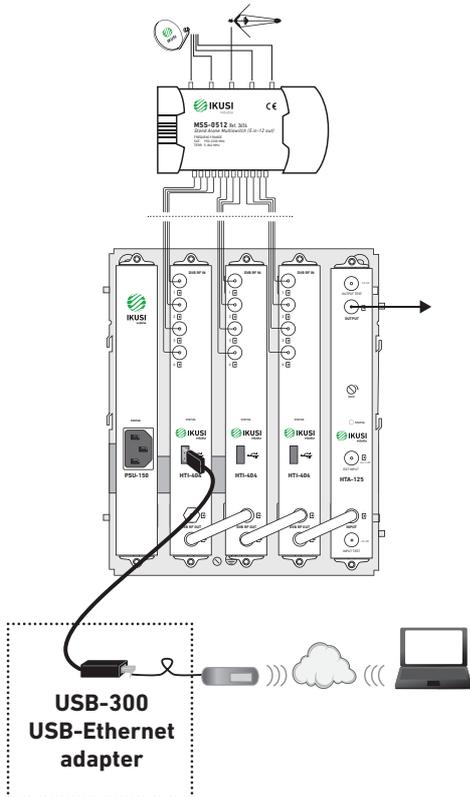


Horizontal joining of two BACK-500 base-plates



USB-Ethernet adapter for local or remote control

NEWPRODUCT



MODEL	USB-300	
REF.	4284	
Connectivity		
Device Interfaces	RJ-45 Ethernet Port (10/100/1000 Mbps)	USB Type A Connector
LEDs	Speed (orange)	Link/ACT (green)
Standards	USB Specification Version 3.0 USB Specification Version 2.0 USB Specification Version 1.1 USB Specification Version 1.0 OHCI (Open Host Controller Interface)	EHCI (Enhanced Host Controller Interface) IEEE 802.3 Ethernet IEEE 802.3u 100BASE-T, TX, and T4 compatible Supports suspended mode and remote wakeup Supports full and half duplex in gigabit Ethernet mode
General		
Minimum System Requirements	Operating system: Microsoft Windows 8/7/ Vista/XP SP3	Mac OS 10.6 to 10.8 Linux kernel 2.6.14x or above
Power Management	Advanced Power Management reduces power usage during idle or light traffic periods	
Physical		
Power	Input: Bus-powered 500 mA, 5 V DC	Consumption: 150 mA, 3.3 V DC
Temperature	Operating: 0 to 45 °C (32 to 113 °F)	Storage: -20 to 70 °C (-4 to 158 °F)
Humidity	Operating: 10% to 90% non-condensing	Storage: 5% to 90% non-condensing
Dimensions	74.4 x 21 x 16 mm (2.93 x 0.83 x .063 inches)	
Weight	46.4 grams (1.64 oz)	
Certifications	CE	FCC

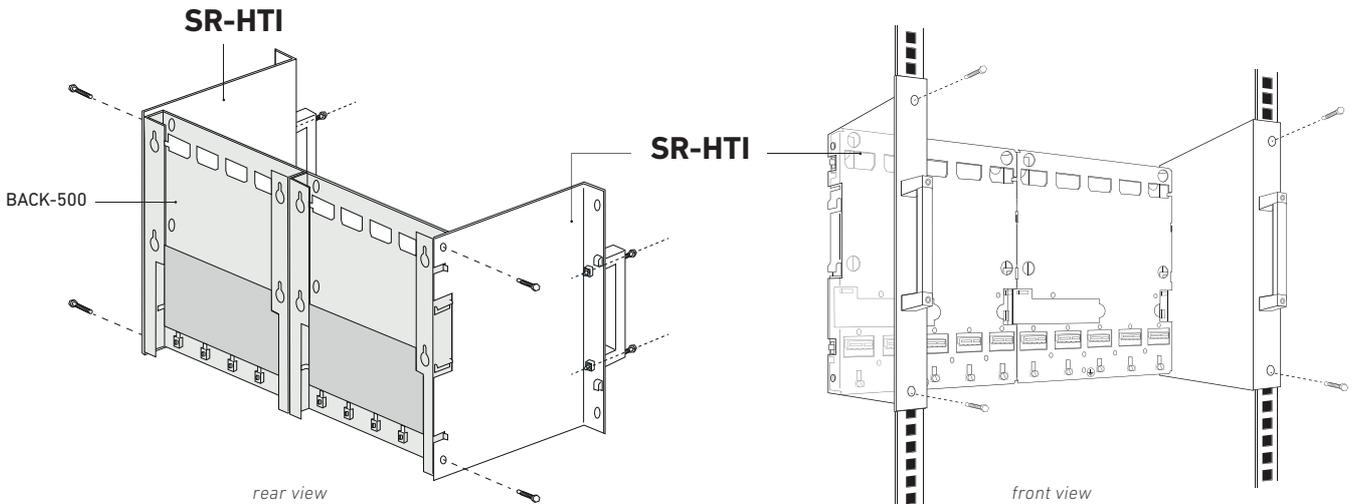
Support to install the headend in a 19" rack



MODEL	SR-HTI
REF.	3867
Number of supports	2 units
Handles	2 plastic units
Material	Galvanized sheet
Dimensions	26,5 x 20 cm

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Application example



Rack 19" fixing for two base-plates (BACK-500) headend installation

Complete assembly of the rack

Special Accessories

MODEL	REF.	DESCRIPTION
ADA-HTI	4285	Special bridges, to install ClassA modules in the HTI base-plate (BACK-500)

