

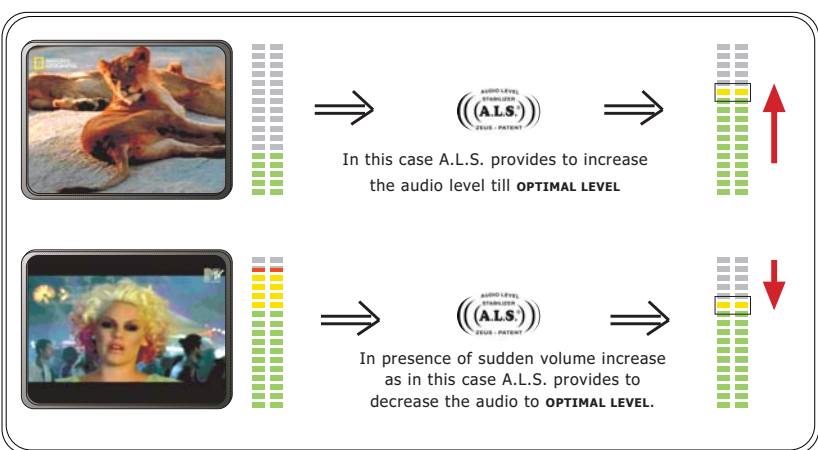
COFDM/PAL

6 CHANNELS DVB-T COMPACT HEAD-END

- ◆ The HELIOS-T compact head-end allows to receive and to distribute 6 digital terrestrial channels in a centralized antenna system into analogue format (Pal/Secam/Ntsc).
- ◆ **USER FRIENDLY**, HELIOS is easily programmable thanks to the 4 lines LCD.
- ◆ **Dynamic image aspect ratio control.** It converts 16/9 image ratio in 4/3 Letter box.
- ◆ The Patented Audio Level Stabilizer (**A.L.S.**) equalizes the different audio levels present in reception of several broadcaster.
- ◆ An exclusive "**watch-dog**" circuit controls the correct function of the six receivers. In case of blocking, it resets automatically the blocked unit.
- ◆ Each head-end is composed by:
 - Internal programmer
 - 6 digital receivers
 - 6 PLL controlled DSB Tv modulators amplified and mixed in a powerful output.
 - Built-in power supply, 230 Vac (other on request)
- ◆ Powerful double side band (DSB) RF output **UHF** or **VHF**:
 - Adjustable 0/-10 dB for each channel
 - Adjustable main RF output level 0/-15 dB
 - Mixing RF Input
- ◆ **O.E.M.** product on request



AUDIO LEVEL STABILIZER - HOW DOES IT WORKS:



DESCRIPTION		HELIOS-DTB	HELIOS-DTC
RF Output frequency	MHz	160 - 350	470 - 860
Output Band		VHF	UHF
RF Output level	dB μ V	typ. 90	typ. 90
Video / Audio ratio	dB	Typ. 13	
RF Input		VHF/UHF	
FFTI		4K - 8K	
Connectors		Inputs: IEC 9,5 mm - Outputs (F type)	
Dimensions	mm	300 (340) x 225 x 165	
Power supply	Vac	230 (50 Hz) other on request	

HEADEND



DVB-T 6 CHANNELS COMPACT HEADEND

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HELIOS is designed to meet the particular requirements of little and medium size systems, buildings, little hotels etc. It meets their requirements also the for excellent cost/performance ratio.

MADE IN ITALY

Helios is developed and manufactured in Italy and is characterized by state-of-the-art technology. ST M-PEG demodulator.

RELIABLE

The long life roller bearing fan assures the correct heat dissipation with really low noise level.



AUDIO LEVEL STABILIZER is a new **ZEUS** patented solution to keep the Audio level constant among the different programs and contents transmitted in a selected channel.

A.L.S. allows to avoid Audio different levels among the channels.



USER FRIENDLY

Helios is equipped with an internal programmer, a keypad and a four lines illuminated LCD allows to search and adjust the wide range of functions and settings.

WATCH-DOG:

The integrated watchdog function controls constantly the works of the equipment, if an error occurs the watchdog will automatically reset the receiver assuring reliable operation day by day, year after year.

Of course the system restarts itself automatically after power cut.



CLEAR PICTURE

The high quality modulators and the low spurious levels assure perfect pictures on the Tv screen, this together with the powerful 90 dB μ V RF output allows to mix the HELIOS with existing antenna system without any problem.

The output RF level can be individually set on each one of the six channels besides there is a main control to adjust the final output level. To avoid interferences the output frequencies must be set keeping one free channel in the middle, e.g. channel 21 - 23 - 25 and so on.

