BIMONTHLY NEWSLETTER - Nº 8 - OCTOBER 2011

Televes

informa

New functions of the H45 (version 1.69.05)

The users of the H45 field strength meters (version1.69.05) can upgrade their equipment through a new software which is now available and gives new features at no extra cost whatsoever.

Thanks to the latest technology implemented in the features of the H45 meter, this equipment will never become obsolete.

Any H45 Field Strength Meter can be updated and increase in benefits to match those of another superior model in the range, at any time when you need it.

The new H45 meter functions with the new software (version 1.69.05) implemented are:

- Preview measurements in Scan&Log and Macromeasurements.
- Increase in the power available at 13 V.
- DiSEqC protocol optimization.
- Optimization of optical measurements.
- Update of the languages.
- Resolution filter RBW of 3 kHz

As most important feature of the H45 with this new software, we emphasize the fact that you can record your actions through the use of a Macromeasurement, being able to visualize in real time and simultaneously, the parameters measured at each point of the installation. This makes it possible to record the action or just discard it and repeat the process.

If intervention is necessary in the installation, you can stop the Macromeasurement by pressing the CLEAR key. Later you can continue the process of measurement in the same LOG.

For meters H45 with the ability to make measurements in Optical Fibre, the measurement process is optimized, making it possible to directly measure the attenuation for the wavelengths that are required after a first pre-calibration with the generator 3 λ OPS10, ref. 2340.

This software is available on our website www.televes.com (Services > Download > Software), and can be downloaded without any other requirement that the registration.

CONTENTS

General Information
New functions of the H45 (v. 1.69.05)

Product News
ZAS HD Satellite

FAQ

Your Pictures
Numero 1 al mondo

Real Intallations
Headend for the building owned by "Mutua Madrilena" in the Paseo de la Castellana

Ideas
How T.0X can be made compatible with T05

Training
How to avoid the possible damage caused on the roof for the installation, expansion or maintenance of your antenna.

For more information

Tel. 902 686 400
fax. 981 522 262
televes@televes.com

Product news

ZAS HD Satellite

Ref. 717501

A receiver with European technology completely designed and manufactured in Spain by fully automated processes that ensure quality and reliability.

The new HD satellite receiver SAT ZAS (Ref. 717501), the lower consumption of electricity in the market, is the receiver ideal for a demanding consumer looking for a receiver reliable and compatible with HD (FULL HD, HD Ready, 1080p, 1080i, 720i).

It is designed to provide clear viewing of satellite channels in both standard definition (SD) and high definition (HD). Outstanding for its simple installation and its quick and intuitive menu, designed especially for users with low vision.

It has SCART and HDMI outputs to be compatible with all TVs, and a USB 2.0 port that allows recording (PVR) and play files, and update the computer's firmware if necessary.

Technical specifications

- Standard DVB-S /DVB-S2
- Free-to-Air channels (FTA).
- Video: MPEG2 and MPEG4/H.264 compatible.
- Audio: MPEG-1 (layer 1,2), Dolby Digital+, MPEG-4, AAC and HEAAC compatible.
- Decoding Dolby Digital (DD) / Dolby Digital Plus (DD+). Bitstream accessible via HDMI for connection to compatible TV sets and Home Theaters.
- PVR via USB 2.0. External hard disk (FAT32) or “Pen Drive” (FAT32) needed (*)
- Simple and user friendly menus. First installation guided.
- Advanced reproduction functions: forward, rewind, previous /next, pause, go to, ... etc.
- “Time Shift” via USB 2.0.
- Timer
- Electronic Programmes Guide (EPG) up to seven days.
- VBI teletext, OSD teletext, standard subtitles and teletext subtitles.
- Up to 3.500 programmes and up to 6 favorite lists.
- Parental lock.
- Auto save function for last channel watched.
- Software Upgrading via USB 2.0.
- HDMI Output (Auto, 576i, 576p, 720p, 1080i, 1080p).
- Optical audio output.
- Multi-video Scart output (CVBS, RGB).
- Low consumption.

** Operation guaranteed for technologies and standards supported by proprietary licenses (royalties).*

FAQ

Interpretation of the characteristic of "maximum output level" for a broadband amplifier, when it receives several COFDM channels (Area Switch-off) at its input.

The maximum output level of an amplifier indicates the maximum level that can be obtained at the output of the device ensuring linear operation, without introducing significant distortion to the input signal.

The linearity of an active element, such as an amplifier depends on the type and number of signals at its input, and varies depending on the type of modulation.

In general, the maximum output level indicated in the characteristics of an amplifier is measured according to the DIN 45004B (EN 50083) standard which expresses the maximum output level for 2 analog channels of equal amplitude at its input.

If the input signals are COFDM all of them, the maximum output level has to be reduced by 2 dB compared to the level obtained by applying DIN 45004B.

On the other hand, by increasing the number of channels at the input of a broadband amplifier, its maximum output level has to be reduced by an amount given by the formula:

V output max = 7,5log(N-1)

where "N" represents the number of channels.

Therefore, the maximum output level of a broadband amplifier for N COFDM channesl is the result of applying the following formula:

Vo max (dB) =
V DIN45004B – 7,5 log (N-1) – 2 dB

Your pictures

Numero 1 al mondo

We know that Televés is a leader in its sector, and so corroborate the many who choose us.

Ideas

How T.0X can be made compatible with T05

With the launch of our new range T.0X, it is common for customers to ask if it is possible to reconcile this with its predecessor (T05).

In systems with T05 format, which is intended to add new modules, or replacing any existing ones, it will be necessary acquire the ref. 422601.

Consisting of two leads, allow us to feed one or more modules directly from a T.0X PSU, ref. 502905, or from any module T05.

Logically, it is necessary to contemplate the physical limitation of such leads (2 A) for the purposes of the maximum current intensity passing through them.

Its length is 400 mm, and allows us to cover the maximum distance usually found between 19 inch frames and racks.

To avoid confusion in their wiring, are delivered pre-labeled, thus facilitating installation.

Powering with 15 Vdc from the PSU

Powering with 24 Vdc from the PSU

Real Installations

Headend for the building owned by "Mutua Madrilena" in the Paseo de la Castellana

From the hand of the installation company INABENSA, the building owned by the Mutua Madrilena is equipped with a pre-assembled 19 inch cabinet, configured and adjusted in Televés (Plug & Play) equipped with:

- FM Amplifier for Analog Radio.
- DAB Amplifier for digital radio.
- Single channel amplifier for the digital terrestrial television channels.
- Transmodulators DVBS2-COFDM, to allow users to access various satellite channels using a conventional DTT set-top-box.
- 1 st and 2 nd SAT IF amplifiers, which will allow users to have both polarities of the selected satellites via a satellite STB.

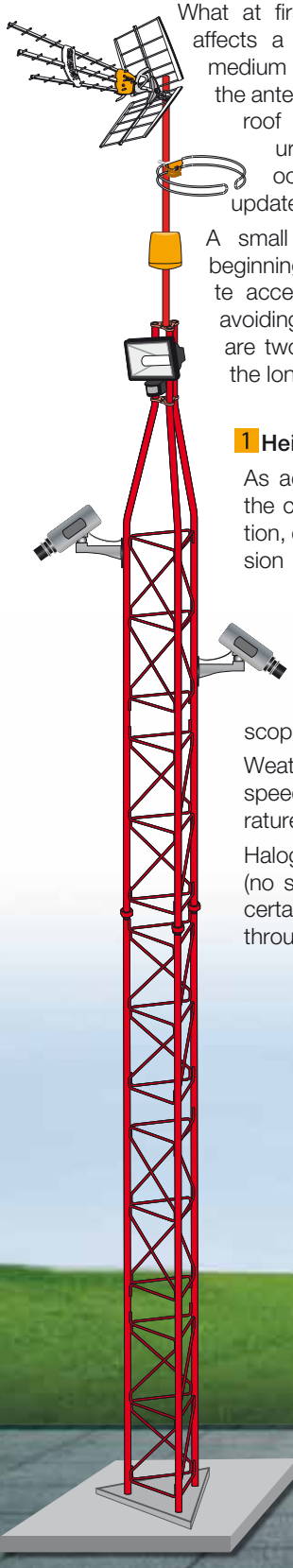
For signal reception, our BOSS DAT HD antenna was of particular need. With its unique BOSS-TECH technology, it allowed adequately regulate excessive signal levels, caused by the proximity of the repeater to this installation Torrespaña

How to avoid the possible damage caused on the roof for the installation, expansion or maintenance of your antenna.

Usually, the higher the altitude at which an antenna is installed, the better the level and quality of the received signal, and therefore, most often, the antennas are on the roofs of houses.

What at first is a lower installation cost, affects a much higher spending in the medium and long term damage by both the antenna installation can cause on the roof as the damage (broken tiles, uralite, gutters, ...) that inevitably occur when it is necessary to update or maintain it.

A small additional investment at the beginning of the installation would facilitate access to plant maintenance, thus avoiding the problems mentioned. Here are two solutions that are profitable in the long term:



1 Height configurable trestle-tower

As advantages, this option presents the cleanliness of the work / installation, ease of maintenance and expansion of the facility and its multiple applications added:

Video cameras to monitor the private pool, tennis court, play area for children, home environment ... (as long as their scope is limited to the property).

Weather stations to know the wind speed, humidity and outside temperature.

Halogen lights with motion detector (no switches or buttons) to highlight certain parts of the property go through.

2 Special tower end section

This section presents the advantage of use for installation of any structure available at the family home environment. Although it is not as versatile in terms of expansion of the facility and possible additional applications such as the trestle-tower, it does facilitate the assembly and maintenance without having to access the roof.