Te eves

BIMONTHLY NEWSLETTER • NO.11 - MAY 2012



In March 1991 was released the first newsletter Televés, to be took off as "Info Televés".

Born with the prospect of a challenge for Televés and commitment to all our customers. From the beginning, the work of our "Info" was assessed from all angles: from simple information to complex training work.

On the shelves of more than one installer is saved, almost with devotion, the collection of info they have seen the light in those over 20 years.

The commitment from the first issue addressed is renewed now with the same enthusiasm and always with the goal of service to the installer.

A new info is born.

With the same sections as the previous version, which will add more dynamic sections such as "Testimonials", "I knew ...", "Made in ...", etc.. Televés addresses so a new newsletter with more content and more pages, more visual impact and with the complicity of our website, which will extend some of the information outlined in it.

The leadership of a company is also reflected in the way they communicate. For over two decades, the INFO newsleter has been conveying the knowledge, experience and values of a brandname that has been leading the way for more than fifty years.

NOW, TELEVES TAKES A STEP OVER, AND FOR SURE THAT THE INSTALLER WILL RATE THIS NEW CHANNEL POSITIVELY.

BESIDES...





FREE DISTRIBUTION

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Serrallo Plaza Shopping Centre **PRODUCT NEWS**

Innova Boss Antenna

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You televescorporation.com

MEETING POINT Visit us:

April

15-20	Light Building- Frankfurt Broadcast Properties - Dallas
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TELEVES AT CABSAT MENA (DUBAI)



Televes took part in CABSAT 2012, which took place from February 28 to March 1 at the International Convention and Exhibition Centre in Dubai. This fair, of great international prestige, attracts more than 10.000 attendees of over 100 countries every year. The company presented its latest technological advances at stand S-B11 of the Sheikh Saeed Hall

INTERNATIONAL EXHIBITION AND FORUM MOSCOW



Besides, Televes attended the 14th edition of the International Exhibition and Forum CSTB 2012, which was held in Moscow from 7th to 9th February 2012 at the Crocus Expo exhibition centre. This event included a fair and a programme of seminars and conferences, as well as an outstanding international showcase for cutting-edge TV and telecommunication technologies: DTT, cable, satellite television, IPTV, OTT TV, HDTV and 3DTV, etc





Feleves

Which antenna do I need for a coastal area?

I am going to install a satellite dish in a coastal area where standard antennas oxidize easily and spill rust on the façades, staining them. Which antenna do you recommend to solve these problems?

EXPERT OPINION

Effectively, the salt spray in a coastal area is a determining factor when choosing a satellite dish.

There are several treatments to protect the dish, but the most complete solution is the one that ensures both the dish life and preservation of the aesthetics of the facade (rust stains).

The installation of the OSD Series ref.7902 for diametres of 75 and

ref.7903 for diametres of 85, offers dishes of aluminium reinforced, with clamping jaws of high resistan stainless steel that allows the reorientation of the dish without having to discard them for being rusty. 📕

More information in televes.com

ALWAYS AT THE FOREFRONT New functions for your zAs HD

The commitment of continuous improvement and attention to the end user is the reason for a firmware update that allows you to optimize playback of multimedia files of our zAs receivers. Thus, anyone who has purchased a receiver can improve its characteristics in a simple and comfortable way.

Keeping the original performance of these receivers, updates allow playback of files in MP4, WAV, AVI and Matroska.





Digital antenna

Curious picture where someone has literally understood that our DAT aerial is digital. Hence, that is why it should work as a CD player... although, to do that, it would be convenient changing its software.



The countdown for the switch-off of the Astra Satellite is over

General information

On April 30th at 3 o'Clock (GMT +1) analogue channels broadcasting via orbital 19,2° East position of ASTRA satellites have been switched off.

This switch-off means the irrevocable end of the analogue channels, now replaced by digital TV transmissions.

Popular channels like Kika, Eurosport Germany, ARD or ZDF will broadcast only in DVB-S. This evolution to digital, which has already been completed for terrestrial television (DTT) in several European countries, will boost high-definition, while being a significant improvement in picture and sound quality.

In Germany and Austria it's the satellite reception the most often used to enjoy television, and Astra is the leading provider of signal distribution for this system. According to data released by this operator last February, the fierce battle waged in the most populous country of Western Europe between satellite and cable television is shifting in the direction of the former. Thus, throughout 2011, the satellite was able to increase its market penetration to over 17 million households, placing over the cable for the first time.

Terrestrial TV (DTT) reaches more than four million homes and IPTV, one million.

By the end of 2011, over 85% of German viewers had made the leap to digital reception, in most cases by simply changing their decoder. However, the last count of Astra estimated that more than two million families were still tuning analog satellite channels. On April 30 all should have successfully undertaken the renovation or adaptation of their receivers to be able to continue enjoying their favorite channels, but now with digital quality.

TELEVES' LEADING ROLE

In the months before the analogue switchoff, users of television and telecommunications professionals in Germany have received enormous information. Televes has been one of the enablers of the process, by providing its complete range of satellite television signals reception equipment in digital format. The nearness of the cessation of analog satellite broadcasts of Astra was one of the issues that raised more questions and comments on the Televes booth at the latest edition of the ANGA-Cable fair in May 2011. In this classic appointment celebrated each year in Cologne, professional installers are keenly interested in the **T.OX** headends and the range of portable meters with digital processing.

La antena parabólic

The **ZAS-HD SAT** receiver and the QSD range of high quality parables, characterized by its resistance to weathering and TÜV approved, were also well received, an important point to success in the demanding German market.

In addition, it's the German subsidiary of Televés who sponsors the informative website on the digital switchover

www.digital-umstellung.de



DID YOU Know...?

the colour of Televes turns 40?

Choosing the corporate colour is one of the big decisions to be taken by the company's managers. Some will think this matter to be more or less important, but nobody doubts that it is worth spending time and money to make the right choice.

Televes also passed this test, and, as evidences show, successfully. It was in1972, about the month of May, when the **Televes' managers began to study the Corporate Identity's proposal to use the orange colour.** After analyzing the impact of the change, its advantages and disadvantages, the management approved the process of the colour application in the shortes time possible. The quality of production of Televes equipments is easy to recognize by technicals and industry specialists.

But its products can also be identified from a distance: Today, probably most people would recognize Televes' satellite dishes on the top of the roofs.

So Televes becomes one of the pioneers of Corporate Identity, and now, over time, it has widespread in signs, banners and all over communication of large multinational companies, financial institutions, etc.

HOW TO MAKE A MECHANICAL OPTICAL FIBRE SPLICE

Another instrument that may be needed for the standard equipment of the F grade INSTALLER, is the so called Mechanical Splicer. Even though there are some disadvantages in relation to the arc fusion splicer (ref. 2321), especially regarding the reliability of of the fibers splice, its use is in high demand and widespread.

As with any fiber splicing process, follow the steps recommended by the manufacturer to ensure the correct transmission of light through the different sections of the optical fiber.

STEP BY STEP SPLICING

1 Each time you use the tool, thoroughly clean both ends of the area where the mechanical splice is going to be placed. To do this, use a lint-free cloth moistened with isopropyl alcohol.

TRAiNiNG

2 Pull the compression lever and fit the mechanical splice ref. 2328. By using the precision stripper ref. 2324, remove 30 or 40 mm of the fiber sheath, and clean the bare fiber with a lint-free cloth moistened with isopropyl alcohol.

✓ 3 Now cleave the resulting bare fiber with the cleaving tool ref. 2323 to leave a lenth between 12-13 mm (12.5 mm would be appropriate).

Insert the fiber into the splice (through the guide) until it stops.

5 Now enter the fiber within its clamping point (the padded area). To do this, press down the tab on the left and enter the fiber in the foam support that has been opened. Release the tab so that the foam support hold the fiber.

6 Repeat steps 1 through 4 for the second fiber (right side of the tool).

7 Next, enter the second fiber within its clamping point (the padded area). Begin by pushing the second fiber in the direction of the first fiber until you notice as the first fiber begins to curve. For the second fiber can slide, you must have pressed the right tab, so that the foam support cannot hold its sliding.

8 At this point, you must press the tab on the left side and push the first fiber towards the second, so that the curvature of the two fibers is as close as possible.

 \checkmark 9 Press down the compression lever to activate the mechanical splicing.

10 Press the tabs left and right to release the fiber on both sides of the









splice made. Then remove the mechanical splice ref.2328 pulling from the center.

Finally, it would remain to check the splicing with real signal, which is an intrinsic checking of the Fusion Splicer by arc ref. 2321.

Regarding mechanical splicers there is no other way for checking the splice that wait until the line is finished.

To do this, make use of both a **triple light** generator (ref. 2340) and a H45 Meter with optical interface.

The great drawback of this process is that, if there are several splices in series, there is no possibility of identifying that splicing is causing the failure; a heavy more reason to opt for the use of the fusion splicer by arc.



IDEAS

How to Protect the head-end equipment by deploying cable loops

The coaxial cable is exposed to the weather and carrying the signal to the interior of the building, is used to connect the antenna system with the headend of amplification and/or processed.

But sometimes, in addition to transmitting the signal, the cable can carry out the not desired function of a water pipe.

In many cases, depending on the degree of insulation of buildings, rainwater can be piped through the coaxial cable and finish in the devices that delivers the signal and thus causing serious damage.

The solution is as simple as looping excess right before the connector. Thus, the water drops are deflected towards the outside of the device.

More than one installer has reached this conclusion after a costly repair.





SHOPPING CENTER SERRALLO PLAZA (GRANADA)

The headend equipment in **Seraglio Square Mall** is an example of good planning and flawless execution. In addition, it depicts the current trends in singular facilities, convergence between both optical and radiofrequency technologies.



It consists of: 6 transmodulators DVB-S2 to COFDM, 4 channel processors, 2 IF amplifiers, 2 optical transmitters and 2 optical splitters.

The 10 channels and two satellite polarities are transformed into an optical signal for distribution.

To overcome the distance between the antennas and the headend, the incoming satellite signal is converted into optical signal (optical LNB). Then it is restored in the headend and, once its condition is stable, it is distributed again over fiber optics.

The result is a distribution over optical fiber with exceptional quality at its reception.

Design and deployment were carried out by the Engineer D.Emilio Medina Romero of AIC Architectura e Ingenieria Corporation, and the installation was carried out by the company Electricidad Hoces.

PERFORMED BY:



Arquitectura e Ingeniería Corporación



19" rack turnkey

factory pre-assembled for easy installation.

Electricidad Hoces



INTELLIGENT DOMESTIC ANTENNA WITH AUTOMATIC SIGNAL ADJUSTMENT

ENPRODUCT





This is an efficient solution to receive signals in those buildings that are not equipped with telecommunications infrastructure, or in situations where the reception is portable or temporary.

INNOVA BOSS antenna ensures the best signal quality depending on the reception level (BOSS TECH technology). Its gain, of 25dB, is self-adjusting to prevent saturation caused by high levels of reception.

Furthermore, it is prepared to prevent the effects of 4G networks in the television signal. This is achieved by means of two switchable modes of operation:

Position 60: 470MHz - 790 MHz, and Position 69: 470 MHz - 862 MHz

The antenna has the possibility of remote powering, so if the receiver is powered by the DTT receiver or by the TV set, **it does not need AC/DC adapter.**

THE INNOVA BOSS ANTENNA IS CALLED TO BECOME AN ANTENNA OF REFERENCE IN TV RECEPTION ADAPTED TO LTE, AND THEREFORE, AN INVESTMENT FOR THE FUTURE.

INNOVA Boss

Made in Televes



Does not need to be oriented RF outlet power supply Vertical or horizontal placement 25 dB Gain