

# Televes®

# INFO

No 76 SEPTEMBER 2025



## Design with Purpose: Spain Measures Its Strategic Impact for the First Time

In a business context where differentiation has become critical, Spain takes a major step forward with the launch of the *Spain Design Index*, an **initiative by the Leading Brands Forum (FMRE)** that brings data, case studies, and strategy to the value of design as a driver of competitiveness.

This index aims to highlight design as more than an aesthetic element, positioning it as a strategic asset and intangible capital. Inspired by international experiences and **backed by the methodology of Thinkers Co.**, the project measures how leading Spanish brands integrate design into key areas such as innovation, sustainability, internationalization, and customer experience.

According to **Pedro Vargas, FMRE's Director of Strategic Projects**, "*Design is one of the greatest factors for business competitiveness and differentiation. With this initiative, we aim to provide design professionals with the right tools to organize, promote, and measure the impact design has on organizations.*"

The *Spain Design Index* is more than a collection of best practices: **it's a framework that quantifies design ROI from a business perspective**. Measuring design is key to managing and scaling it, and that means going

beyond inspiration: **connecting design to results and transformation.**

### TELEVES: WHEN DESIGN AND ENGINEERING JOIN FORCES

Among the brands analyzed, **Televes** stands out. Our inclusion in the index is no coincidence, as **we've made design a tool for applied engineering, focused on solving real problems with solutions that are visual, functional, and sustainable.**

**Carlos Rodríguez, Chief Strategy Officer at Televes Corporation**, actively participated in the process and explained it clearly: "*For us, design is a catalyst for innovation. We don't design just to please the eye, we also design to enable the integration of advanced technology into complex environments.*"

### A TOOL WITH A VISION FOR THE FUTURE

The creation of the index responds to a strategic need: **to build a common language among designers, business leaders, and innovation managers.** Through interviews, data, and qualitative analysis, the *Spain Design Index* helps organizations understand and manage design not as an expense, but as an **investment with both economic and reputational return** ■

*The Spain Design Index is a pioneering initiative driven by the Leading Brands Forum, positioning creativity as a global competitive advantage.*

## SUMMARY

### TELEVES CORPORATION

Family Days: Technology with Heart, Families with Pride

Televes Wins the 2025 Red Dot Design Award at an Unforgettable Gala in Essen

### PRODUCT NEWS

ArantiaCast

### FAQs

What is PoE technology?

### TELEVES FACILITIES

On City Resort Matalascañas (Huelva, Andalusia - Spain)

### TELEVES IN THE WORLD

ATSC Conference 2025 (Washington D.C., USA)

HITEC 2025 (Indianapolis, USA)

AOTEC (Madrid, Spain)

### TRAINING

Web Interface for T.OX Module Configuration and Management



televes@televes.com

www.televes.com



## FAMILY DAYS: TECHNOLOGY WITH HEART, FAMILIES WITH PRIDE



There are days when technology takes a step back to make room for what truly matters: people. That was the case at the 3rd edition of Family Days at Televes Corporation, a very special day when we opened our doors (and our hearts) to those who accompany us beyond the workplace: our families.

Recently held at our facilities, this event has become one of the most moving moments of the year. A day where children, parents, partners, and friends explored the spaces where we drive innovation every day and saw firsthand the real impact of our work.

Beyond guided tours and fun activities, what truly stood out was something deeper: the shared pride of being part of a technological, global, and profoundly human project. That pride can't be explained in an organization

chart, but it's felt in every conversation, in every gesture.

Thank you to everyone who makes Televes Corporation much more than just a group of companies. Thank you for reminding us that behind every advancement, there's always a story that starts at home.

*"What you experience on the day is something deeper: the shared pride of being part of a technological, global and deeply human project."*

## TELEVES WINS THE 2025 RED DOT DESIGN AWARD AT AN UNFORGETTABLE GALA IN ESSEN



On **July 8, 2025**, the historic *Aalto Theatre* in Essen, Germany, hosted the **Red Dot Design Award** ceremony, one of the most prestigious design events in the world, often compared to the Oscars of cinema. More than 1,200 prominent figures from the industry gathered in this iconic venue to celebrate creative excellence in products, communication, and concepts.

Among this year's winners, **Televes** was recognized in the Communication Technology category for outstanding design and technological innovation in our TV distribution product family. **Carlos Rodríguez**, Chief Strategy Officer at Televes Corporation, accepted the award on behalf of the company.

The gala, presided over by the award's founder, Professor Dr. Peter Zec, featured trophy presentations by the jury, emotional speeches, global media coverage, and a cultural performance

by the *Aalto Ballet Theatre* accompanied by music from *Carmen*. The evening concluded with the traditional **Designers' Night**, an exclusive exhibition of winning products at the Red Dot Design Museum, located in the former Zollverein coal mine.

After accepting the award, Carlos Rodríguez thanked the combined efforts of the Televes team and the strategic collaboration of the Swedish design studio **No Picnic** ■

*"This award strengthens our commitment to design as a driver of innovative, well-built solutions that make an impact."*





## ArantiaCast

### Professional Casting Solution for Hospitality Environments

We live in an era where on-demand content is the norm, and everyone carries an extensive library of shows, music, and movies on their phones. At home, Smart TVs and dongles connected to the TV let us **cast this content to the big screen and enjoy it larger than life**. Naturally, when we arrive at a hotel, we expect the same experience.

The reality is that for many establishments, upgrading all TVs is a costly investment, and using consumer dongles presents serious privacy and management issues. Designed to meet the demands of professional environments such as hotels or student residences, ArantiaCast enables properties to **ensure guest privacy while centrally managing all in-room devices, without major investments, renovations, or complications**.

One of its key advantages is its **focus on user privacy**: the system ensures each guest can only access the TV in their own room. Additionally, all data and credentials are automatically deleted at checkout, or manually by staff if needed.

To integrate ArantiaCast, all that's required is a **stable Internet network (Wi-Fi or Ethernet)**, with no need for new cabling. It's also compatible with G.hn technology (coaxial), making it easy to integrate with our CoaxData connectivity solution for **existing TV networks**. Finally, ArantiaCast is also compatible with GPON infrastructures, making it ideal for **new fiber-optic projects**.

ArantiaCast offers two casting options for TVs: The first using our professional dongle connected via HDMI, **compatible with most TVs without requiring them to be Smart TVs or hospitality-specific models**. The second is direct license integration for TVs that support it (Philips and LG models with Google Cast technology). In both cases, the ArantiaCast server is installed in the headend, handling global system management ■



## Don't miss it!

### Update to ETIM 10.0 in the Upcoming Digital Catalog

Our commitment to providing high-quality technical information and global product standardization is reinforced with the adoption of **ETIM 10.0**, available in our digital catalogs in **BMEcat** and **FAB-DIS** formats. This upgrade delivers significant improvements in classification, classes, attributes, and technical values, ensuring interoperability with distribution and specification channels that adopt these standards.

Until now, we have worked with versions **8 and 9**, but with the arrival of ETIM 10.0, we will **permanently phase out version 8 while maintaining version 9** for at least one more year to ensure full compatibility for distributors at different stages of digitalization.



Version 10.0 will be available with the launch of the **new 2026 digital catalog**, scheduled for **Q4 2025** ■

## What is PoE technology?

PoE (*Power over Ethernet*) technology enables the **simultaneous transmission of electrical power and data through a single Ethernet network cable**, eliminating the need for separate power supplies. Currently, there are three main standards: IEEE 802.3af (PoE), IEEE 802.3at (PoE+) and IEEE 802.3bt (PoE++/4PPoE).

The last standard introduces two additional types (Type 3 and Type 4) with higher power levels, resulting in four PoE levels in total.

The three aspects that differentiate the different PoE types are:

- **Maximum PSE Power (Power Sourcing Equipment):** the maximum amount of electrical power a device can supply through the Ethernet cable.

- **Power for the PD (Powered Device):** the amount of electrical power the powered device can receive through the cable.

- **Pairs Used:** the number of wire pairs in the Ethernet cable used to deliver power.

Main advantages this technology in installations:

- **Fast and cost-effective installation** by using the same cable for power and data transmission.
- **Greater installation flexibility** by eliminating the need for additional power outlets ■

Standard	PoE Type		Max. PSE Power	Power for the PD	No. of Pairs Used
IEEE 802.3af	Type 1	PoE	15.4 W	12.95 W	2
IEEE 802.3at	Type 2	PoE+	30 W	25.5 W	2
IEEE 802.3bt	Type 3	PoE++	60 W	51 W	4
	Type 5	4PPoE	90-100 W	71 W	4



## TELEVES FACILITIES

### ON CITY RESORT MATALASCAÑAS (HUELVA, ANDALUSIA - SPAIN)



The largest resort complex in Andalusia (South of Spain), with 560 rooms and over 70,000 sq. m of facilities, officially opened in June. Located next to Doñana Natural Park, this massive resort combines **GPON, IPTV, high-density Wi-Fi, and VoIP** to deliver a premium, scalable, and sustainable digital experience.

The **GPON network consolidates voice, data, and video services**, reducing energy consumption and simplifying maintenance. The IPTV platform enables interactive and personalized content,

while indoor and outdoor Wi-Fi supports multiple devices with a stable connection. The VoIP PBX, natively running on GPON, integrates communications with IVR and call groups without additional licenses.

For **Jesús León, CEO of ON Hotels Group**, this infrastructure “has been key to ensuring a premium experience and optimizing the resort’s internal operations.” A clear example of how strategic technology drives sustainable and competitive tourism ■



### ATSC CONFERENCE 2025 (WASHINGTON D.C., USA) JUNE 11 - 13

The industry’s key event for NextGen TV technologies. We showcased our solutions for RF signal distribution and measurement, inviting visitors to discover how our innovations are shaping the future of broadcast signal reception and testing.



### HITEC 2025 (INDIANAPOLIS, USA) JUNE 16 - 19

We presented our integrated solutions that empower telecom companies with fiber-optic infrastructure and high-speed Wi-Fi, in-room technologies such as IPTV, interactive TV, and casting, seamless PMS and BMS platform integration, scalable FTTR architecture, and dynamic, engaging digital signage.



### AOTEC (MADRID, SPAIN) JUNE 19 - 20

We demonstrated our advanced optical transport network solutions, with this edition focusing on communications in rural areas, helping operators build reliable and scalable networks even in the most demanding environments ■



## Web Interface for T.OX Module Configuration and Management

### Simplifying the installation and maintenance process

Our T.OX series of transmodulators is known for its flexibility, particularly when it comes to configuring the **transmodulator ref. 565401**, which can generate 2 COFDM or QAM multiplexes from 4 DVB-S, DVB-S2, or DVB-S2X transponders.

This configuration is always done through a **highly intuitive web interface**, which can be accessed in two ways:

- **Connect an Ethernet cable** to one of the two RJ45 connectors and access the interface from a computer on the same subnet as the module. This is the default option and the recommended method for initial setup, as it provides the fastest connection speed.
- **Use a Wi-Fi adapter** (such as ref. 216802) plugged into the microUSB port to create a Wi-Fi network from the module, then connect to it and use the generic URL to access the interface. This alternative is quick and convenient because it doesn't require knowing the module's network settings. It also allows configuration from any Wi-Fi-enabled device, such as a smartphone or tablet. Although this method offers lower connection speed, it's much more practical for performing maintenance and quickly reviewing all module parameters.

After logging in, you can access the interface and begin editing parameters. Changes must be saved every time you switch menus; a floating button will remind you by turning orange whenever you make changes.

The main menus you'll have access to are:

#### STATUS

This general screen displays the operating status of all parameters using **traffic light-style indicators**: green for "OK," orange for "value at limit," and red for "error." It shows the occupancy rate, active and locked inputs, the CAM MMI menu, and a list of TV services with their status.

#### CONFIGURATION

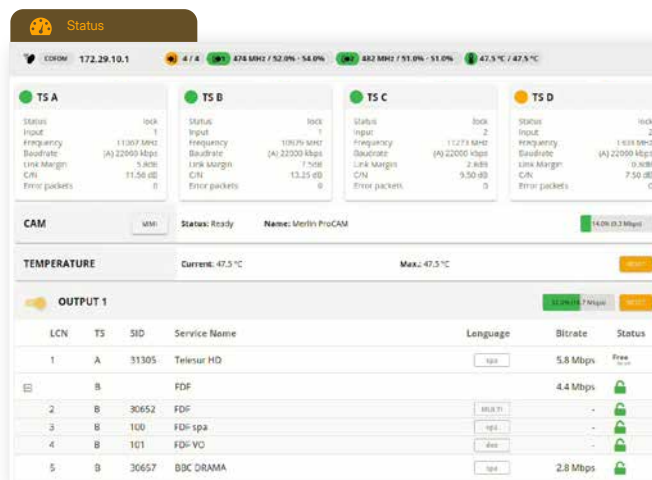
This section includes the following submenus:

**INPUT.** Allows you to **assign each of the four demodulators to either of the two coaxial inputs** and choose whether to configure it as dCSS or with standard frequencies (real or IF). Within each input (A, B, C, or D), you can select the desired modulation and parameters. You can also check all available services in each satellite transponder.



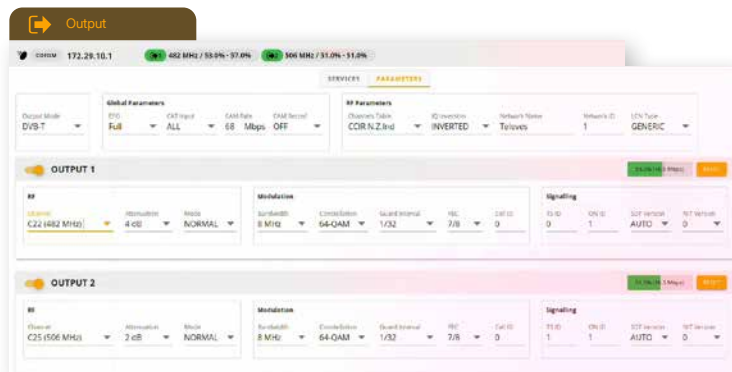
**OUTPUT.** This lets you select the TV services you want on each output frequency and then edit aspects of the output modulation if needed. Remember that **this module can modulate in QAM (Annex A) or COFDM**.

**Using clones** is very useful when a service has multiple available audio tracks. By creating a copy of the service for each language and placing it at the desired LCN, you save output space. TVs will detect each clone and place it in the correct position, making it easy to organize TV services by language and group them consecutively, which is very intuitive for end users.



**NETWORK.** Includes IP network settings for the module itself, enabling you, for example, to assign each connector to a different network. If you lose access credentials for a module, we recommend using the Hey software for identifying IP equipment (ref. 100010) or the Wi-Fi adapter (ref. 216802) to locate the current network configuration.

**HEADEND.** Each module can be configured independently, but it's much easier to create a headend with similar modules connected on the same subnet. In this setup, **one module can be designated as the master, allowing you to control all others from it**. Once the headend is created, you can access each module via the tab labeled with its IP address.



The previously mentioned menus (Status, Input, etc.) can then adjust the corresponding parameters in all modules quickly.

Under "Services," **you'll find a list of services from all modules in the headend**. You can sort them by indicator, change LCNs, and group channels by language to maintain a consistent order throughout the entire headend.

#### ADVANCED

This shows other options related to loading configurations, saving them, updating the module, or restoring factory settings. Finally, the **log file generation** option allows you to share relevant information with our technical team in case of inquiries or support ■





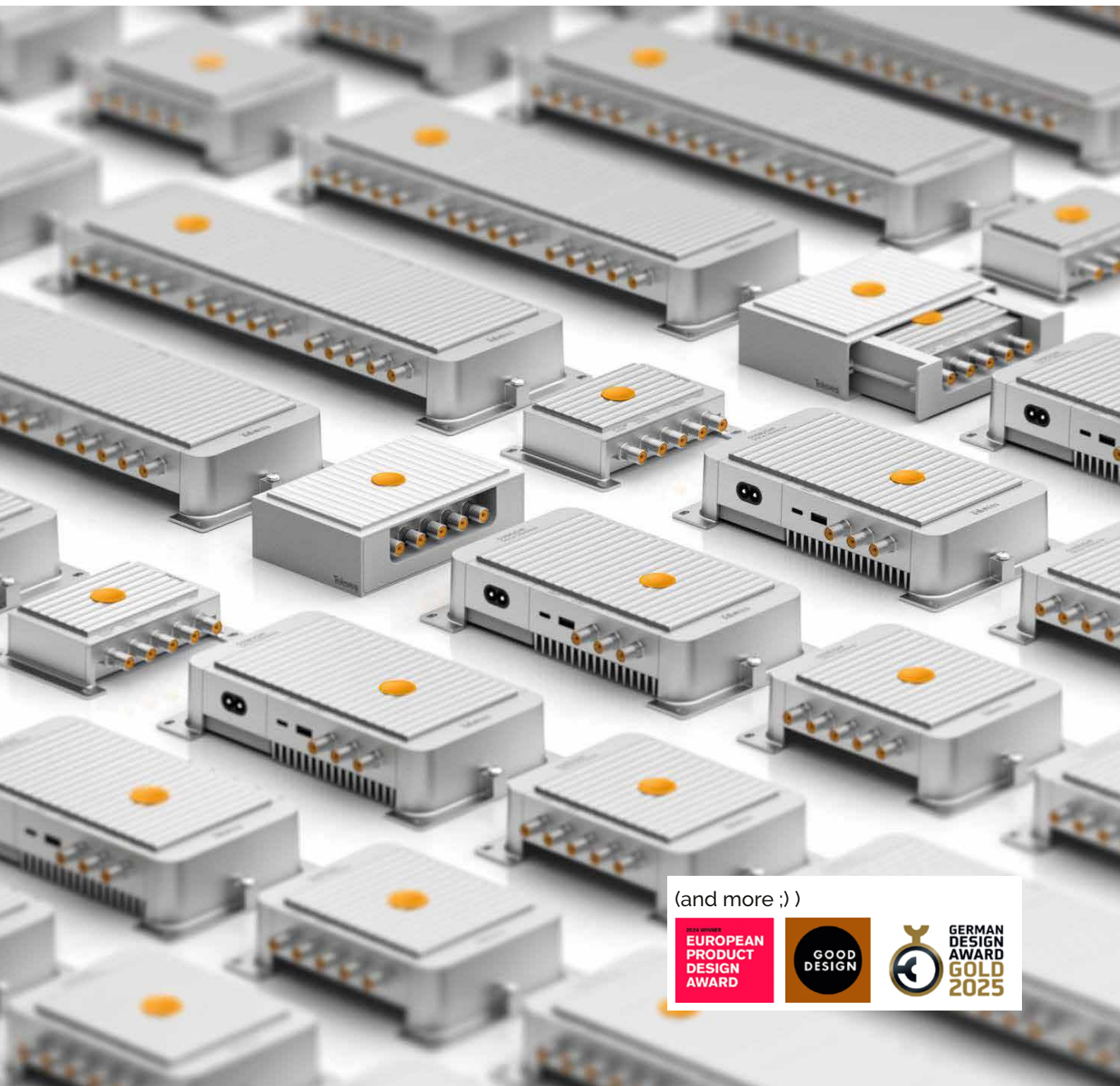


reddot winner 2025

Televes®

OUR PRODUCTS

**AWARDED THE  
RED DOT**



(and more ;) )

2025 WINNER  
EUROPEAN  
PRODUCT  
DESIGN  
AWARD

GOOD  
DESIGN

GERMAN  
DESIGN  
AWARD  
GOLD  
2025