T.OX

TWIN TRANSMODULATOR WITH REMULTIPLEXING

DVB-S2/S2X TO DVB-T (COFDM)/DVB-C (QAM)

Manageable in an agile and simple way thanks to its embedded web interface, which allows access to multiple configuration functionalities

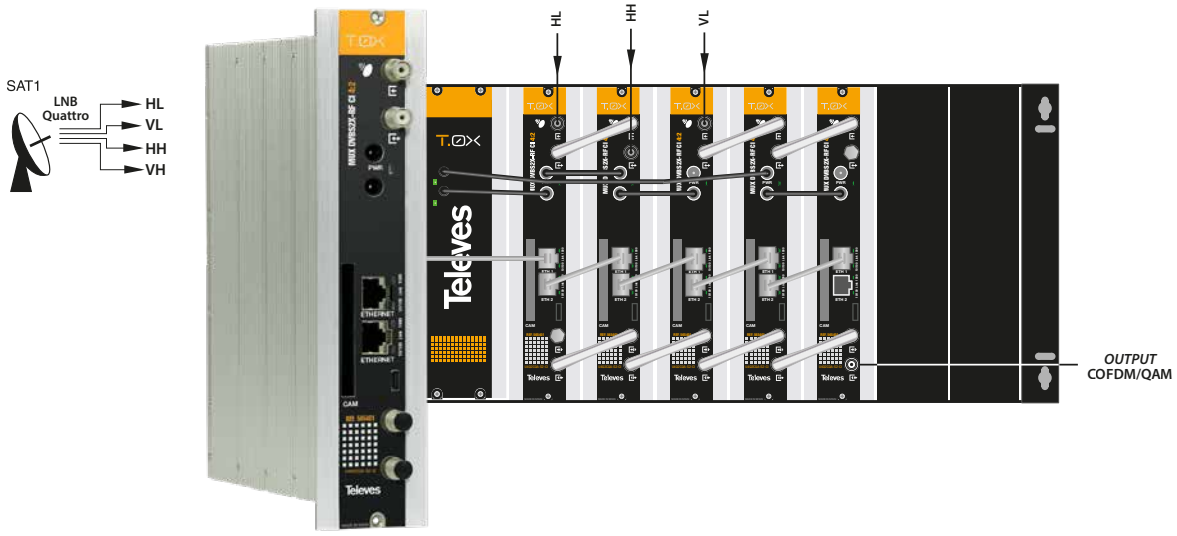
- Selection of output modulation
- Configuration from master module
- Filtering and ordering of services
- Configuration cloning

Televes

Transmodulator from T.0X series that generates **two COFDM or QAM** (Annex A) multiplex from the multiplexing of the services available in up to 4 different TV SAT transponders. These may be extracted from 2 different satellite polarities (2 independent SAT inputs), or from a single satellite polarity, using the headend's input loop.

The encrypted satellite channels are transformed into free terrestrial services through the **CI interface** and the appropriate CAM module. Depending on the CAM type used (standard/professional), one or several services may be opened for free visualization.

The selection of the desired output modulation can be possible via an **embedded web user interface**. It allows the configuration of the different functionalities of the headend, in addition to the selection of TV services: selection of a master module in the headend, automatic detection of the modules that are connected to the master, cloning function to replicate configurations, control indicators....



Like all T.0X series modules, this device is designed for **installation in book format** inside a modular TV headend. In addition, all the modules integrated in the headend are powered through a single power supply.

Highlights:

Intuitive web interface
Headend management in a comfortable, agile and simple way.

Selection of output modulation
Signal transmission in terrestrial (COFDM) or cable (QAM) modulation.

Up to 4 transponders
It has several inputs to connect 1 (loop mode) or 2 satellites. All transponders can be linked to any of them.

Service decryption
Paid services can be broken and displayed with the insertion of a specific CAM.

Removal of services
Filtering of unwanted services so that they are not detected by any receiver.

LCN edition
Ordering of services at the headend for an orderly reception at the STB or TV.

REF.	DESCRIPTION	EAN13
565401	T.0X DVBS2-COFDM/QAM CI TWIN MUX 4TP:2C	8424450273708

Web interface

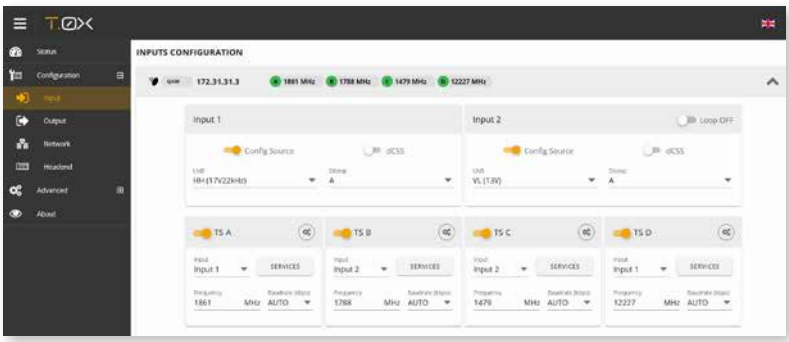
The transmodulator includes an embedded web interface that allows management of the headend from any device (PC, tablet, mobile...) in a very agile and simple way. With the interface, the configuration of the headend becomes much faster and more intuitive, and the need for a programmer disappears.

Through this interface it is possible to **CONFIGURE DIFFERENT FUNCTIONALITIES**:

REMULTIPLEXING OF SERVICES

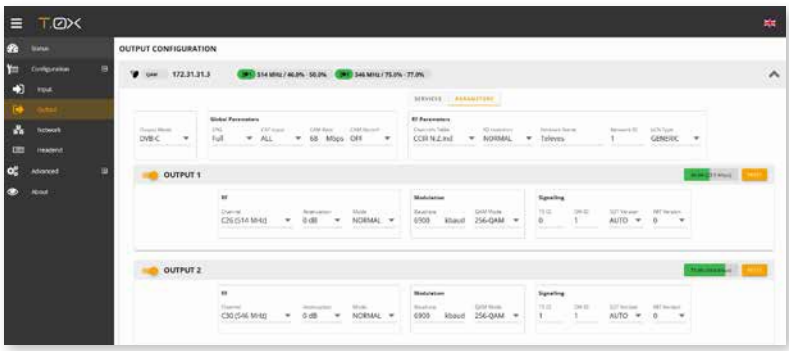
The unit has four demodulators that, depending on how the loop mode is configured, one or two bands and polarities should be available for all demodulators.

The inputs can also be configured to receive signals from a dCSS multiswitch of up to 4 different satellites in a single cable.



CONFIGURATION OF THE OUTPUT SIGNALS

It is possible to select the standard between DVB-T or DVB-C, as well as the desired services for each output and in which RF channel these services will be included.



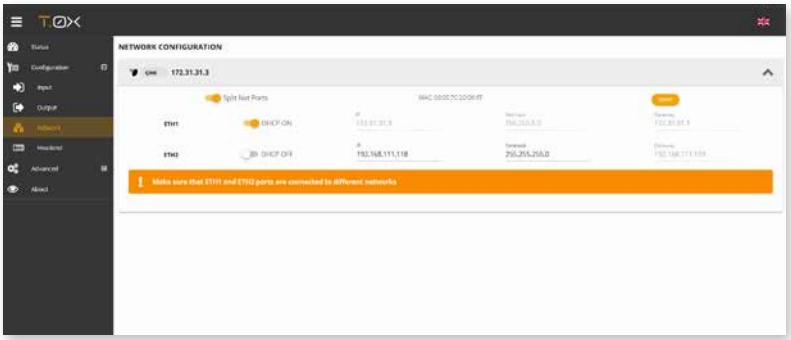
HEADEND PROGRAMMING FROM MASTER MODULE

Configure one of the modules as a master of the entire headend. Any module can be selected as the master.

Once the master mode is activated, the unit searches for other units connected to the network (ETH2).

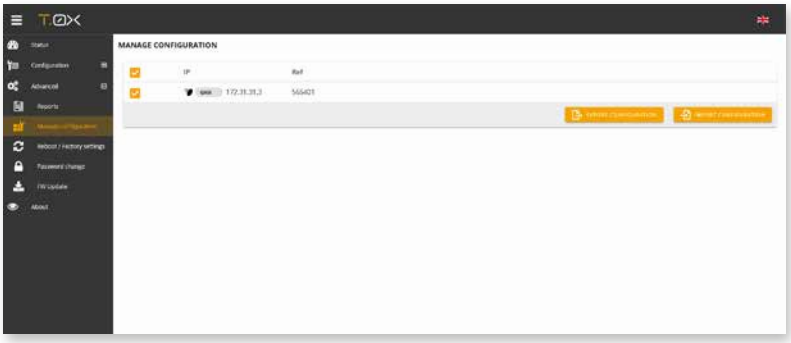
SEPARATED NETWORKS IN EACH MODULE

Each unit has two Ethernet RJ45 connectors, which can be used on an single network or on two separate networks (Split Net Ports).



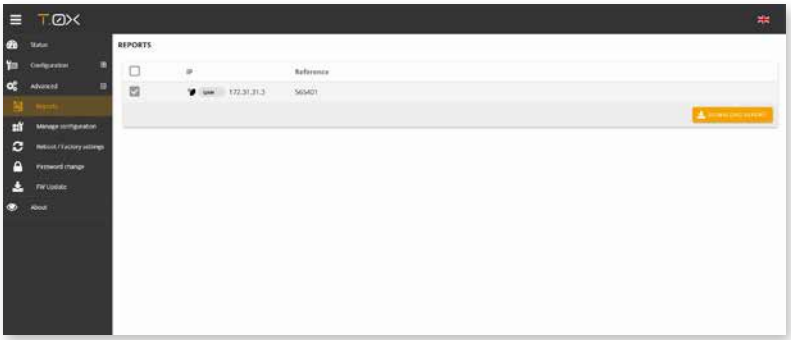
CLONING OF CONFIGURATIONS

The configuration of a unit or headend can be duplicated by exporting and importing files, reducing time in typical installations.



STATUS REPORTS GENERATION

Users can download report files on the selected unit or of the complete headend, to make easier debugging in the event of an incident.

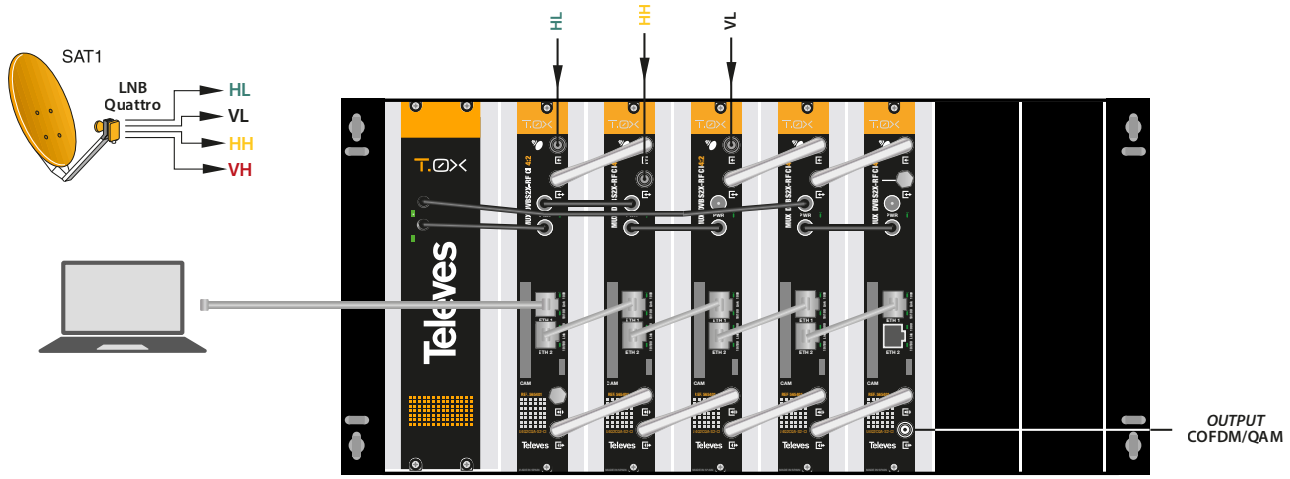


Access to the interface

Access to the web interface can be done locally, through an Ethernet network cable connected to a PC, or wirelessly, by generating a WiFi network to which any mobile device or PC can connect.

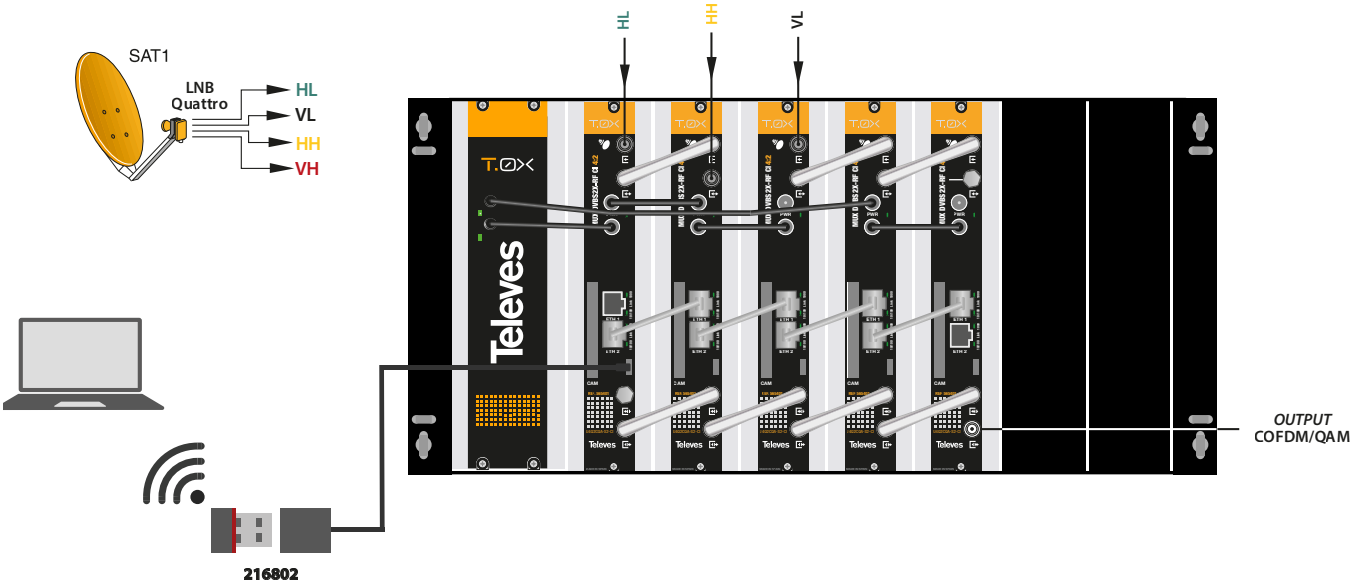
HEADHEAD CONFIGURATION VIA ETHERNET CABLE

It is necessary to connect a PC to the ETH1 port of the module via an Ethernet cable to access the control web interface of the unit. The IP address of the PC must be configured in the same subnet as the module. After this configuration, it will be possible to access the interface through a web browser.



HEADHEAD CONFIGURATION USING WIFI ADAPTER

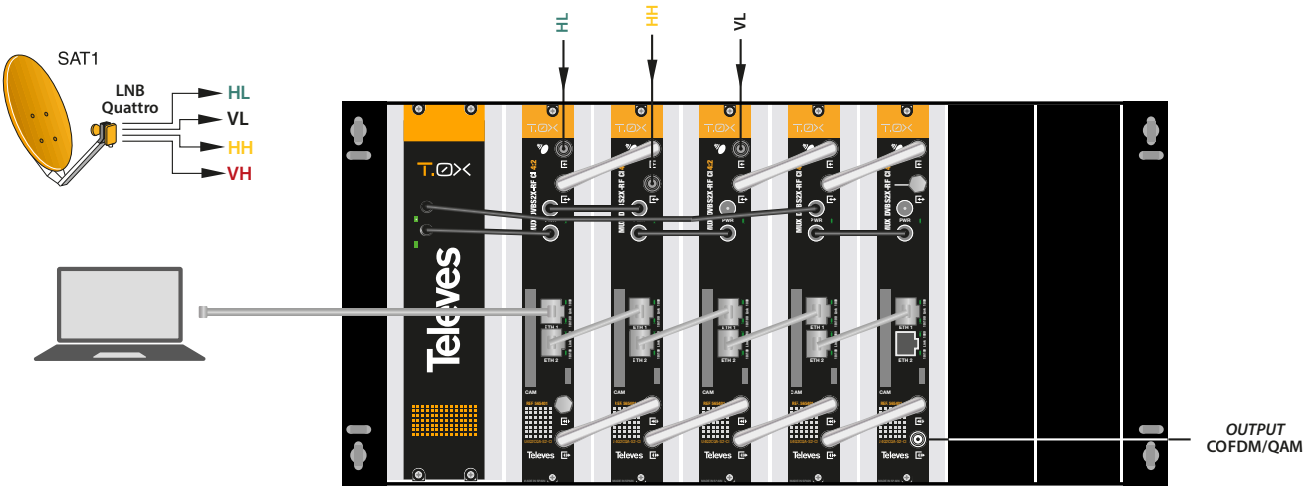
For this second mode of connection, it is necessary to connect a WiFi network adapter (Ref. 216802) into the micro-USB port of the module. Once the WiFi network is configured, it is necessary to connect to this network with the device and access the interface through a web browser.



Application examples

CONNECTION OF A LNB QUATTRO TO A 5-TRANSMODULATOR HEADEND

Processing headend that includes 20 transponders with signals from the 4 polarities of an LNB Quattro. Each polarity is connected to different inputs of the modules. It is also possible to link several modules so that they have the same polarity at their input.



CONNECTION OF A DCSS MSW TO A 5-TRANSMODULATOR HEADEND

Processing headend that includes 20 transponders with a single-coaxial signal from a dCSS MSW. This signal is connected to the master module, which supplies the signal in loop mode to the rest of the modules. In the configuration web interface, an UB is assigned to each transponder. In this way, you obtain a cleaner, tidier installation that will be simpler and quicker to modify.

FI. 092023