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**Televes
769320 Coax
data Node**

Televes 769320 Coaxdata Node Owner's Manual

Televes 769320 Coax Data Node

Product Usage Instructions

Important Safety Instructions:

1. Read all instructions before handling or connecting the equipment.
2. Clean the device only with a dry cloth.
3. Avoid placing the equipment near water or sources of heat.
4. Do not block ventilation openings and ensure proper air circulation.
5. Avoid exposing the equipment to high humidity, vibrations, or shocks.
6. Use only manufacturer-specified accessories.

Safe Installation:
Follow the guidelines for safe installation provided below:

1. Read and keep all instructions and warnings.
2. Clean the device with a dry cloth only.
3. Avoid water contact and do not place liquids-filled objects on the apparatus.
4. Ensure proper ventilation and avoid blocking any openings.
5. Avoid humid environments, heat sources, naked flames, vibrations, or shocks.
6. Use only specified accessories provided by the manufacturer.

Port Connections:

- **1x Ethernet RJ-45 LAN:** Ethernet 10/100/1000BASE-T Auto MDI-X or 2500BASE-T modes port. Provides wired access to the local network.
- **1x Type-F Connector TV Output:** Type-F female connector to bring out the TV signal from the device.
- **1x Type-F Connector Data/TV:** Type-F female connector for input-output of Data and TV signals.

- **1x USB Type-C Connector Power:** USB-C female connector for power supply cable connection.

Device Buttons:

Reset/Defaults Button:
Functionality to reset or restore default settings on the device.

Frequently Asked Questions (FAQ):

- **Q: Can the device be used in outdoor environments?**

  A: No, it is recommended to avoid using the equipment in outdoor environments due to safety and performance considerations.

- **Q: What should I do if the device is exposed to water?**

  A: If the device comes in contact with water, immediately disconnect it from the power source and contact customer support for assistance.

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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions before handling or connecting the equipment. Keep these instructions. Heed all warnings. Follow all instructions.
2. Clean only with a dry cloth.
3. Do not use this apparatus near water. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as glasses, shall be placed on the apparatus.
4. Do not use this apparatus near water. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as glasses, shall be placed on the apparatus.
5. Do not block any ventilation openings. Install by the manufacturer's instructions. Please allow air circulation around the equipment.
   Do not place the equipment in a highly humid environment.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place naked flames, such as lighted candles on or near the product.
7. Do not place the equipment in a place where it can suffer vibrations or shocks.

Safe operation of equipment connected to the mains supply

- The ambient temperature should not be higher than 40ºC.
- The power requirements for this product are 5V DC.
- Refer all servicing to qualified service personnel.

- Servicing is required when the apparatus has been damaged in any way, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning
Reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Symbology

1. To identify electrical equipment designed primarily for indoor use.

2. The equipment complies with the CE mark requirements.

3. The present product can not be treated as normal household waste, it must be delivered to the corresponding collection point for waste electrical and electronic equipment (WEEE).

Connections and controls description
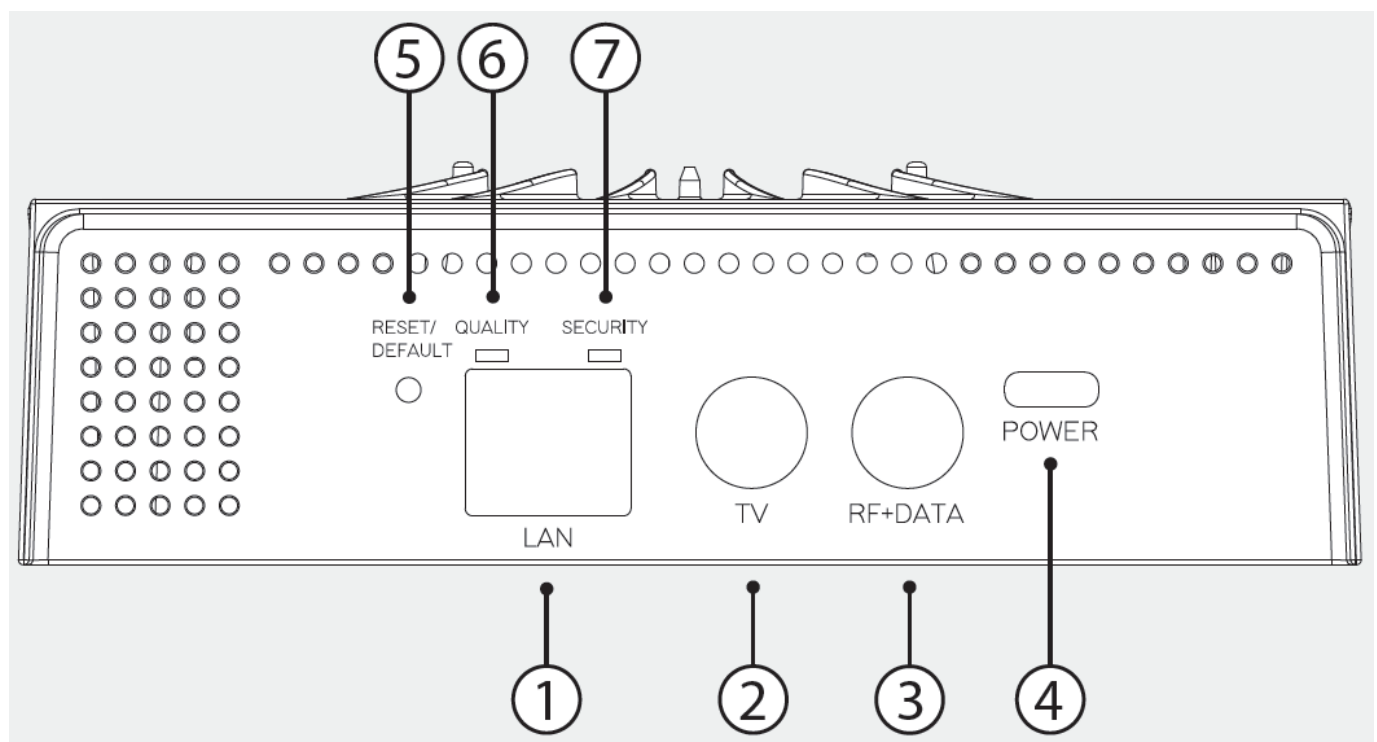
Port Connections

1. **1x Ethernet RJ-45 LAN**
   Ethernet 10/100/1000BASE-T Auto MDI-X or 2500BASET modes port. It provides wired access to the local network.

2. **1x Type-F Connector TV Output**
   Type-F female connector to bring out the TV signal from the device.

3. **1x Type-F Connector Data/TV**
   Type-F female connector to input output of Data and TV signals.

4. **1x USB Type-C Connector Power**

   USB-C female connector to connect the power supply cable.

   Device Buttons

5. **Reset/Defaults Button**

   - Press the button to execute a hard reset of the device.
   - Press and hold the button for at least 10 seconds to reset the device to factory default settings.

     LED System

6. **Quality**

   Indicates the status of G.hn over the network where the device is connected.

   - **Green:** G.hn is working correctly.
   - **Yellow:** Connection problems.
   - **Red:** G.hn network failure.

7. **Security**

   If the LED is steady on, it indicates that the device is secure, that is, it has received or generated the G.hn network keys, so it belongs to a unique secure domain.
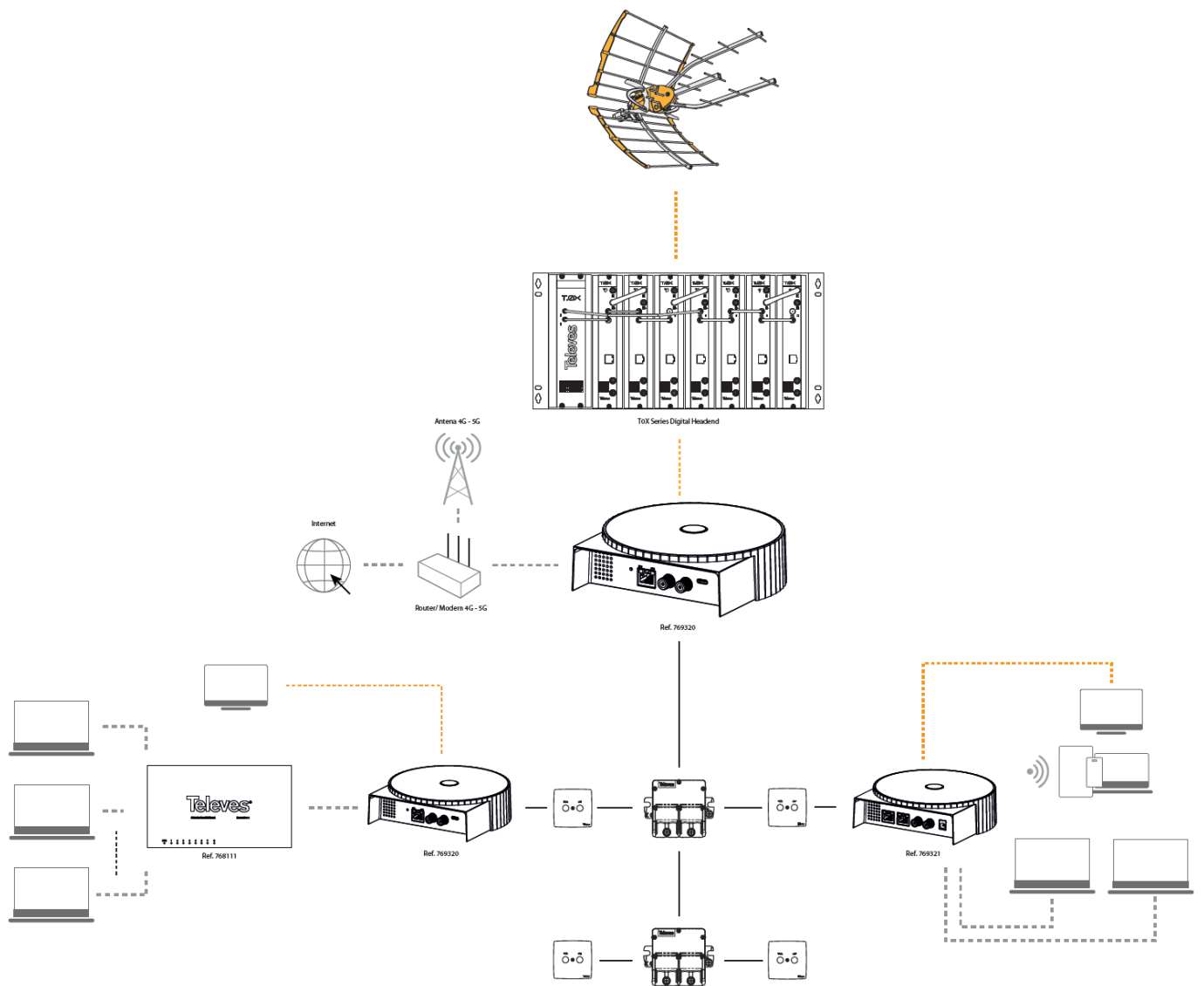
Ethernet Port

- 2500 Mbps Mode
- Solid Green: Link established
- Blinking Green: There is an activity
- Off: No link established
- 10/100/1000 Mbps Mode
- Solid Amber: Link established
- Blinking Amber – Green: There is an activity
- Off: No link established

Description

- The Ref. 769320 CoaxData belongs to the new generation of CoaxData devices, supporting the G.hn Wave-2 family, compliant with ITU-T G.hn standard, to provide a higher speed data transmission, up to 2 Gbps half-duplex, using the coaxial network deployed in the infrastructure of buildings and housing.
- This device is designed for an endpoint or slave node within the CoaxData point-to-multipoint (P2MP) system managed and controlled by the Ref. 769310 device, which provides the central point of management and data of the nodes.
- Data and TV signals are transmitted in the coaxial and separated in two bands within the Ref. 769320 by an internal diplexor filter (data: 1 … 200 MHz and TV: 290 … 2350 MHz). Data signals are available over an Ethernet output, up to 2.5 Gbps, enough to provide the maximum link rate of G.hn. Moreover, Ref.769320 has an RF output port to obtain the TV signal from the same device.
- On the other hand, the Ref. 769320 can be configured, via Televes CoaxManager tool, to act as the master node, with the capability to manage and supply up to 16 CoaxData G.hn Ref. 769320 / 769321 slave nodes.To obtain the CoaxManager tool, please contact the Televes commercial network.
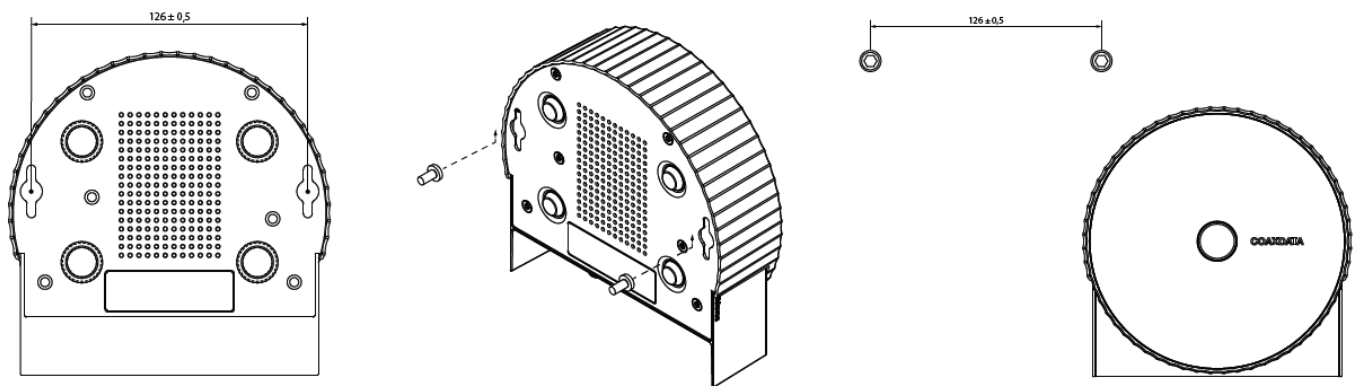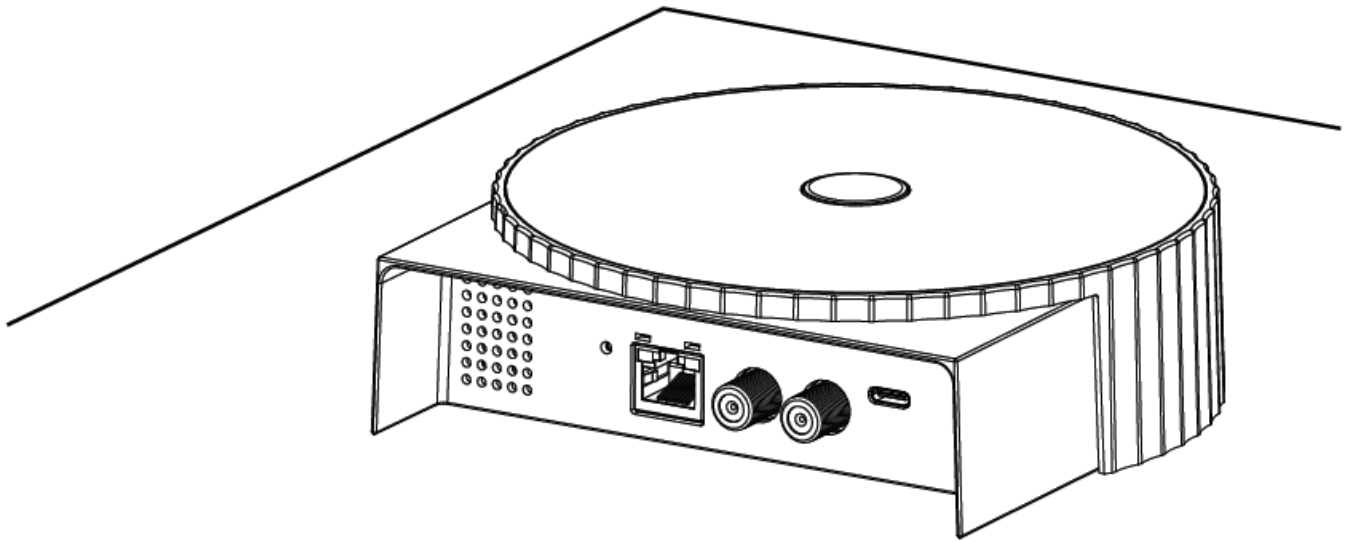
Application example

Antena 4G - 5G

T0X Series Digital Headend

Internet

Router/ Modem 4G - 5G

Ref. 769320

Televes

Ref. 768111

Ref. 769320

Ref. 769321

Installation

Vertical installation

- Wall fixing

126 ± 0,5

126 ± 0,5

COAXDATA

Horizontal installation

Technical Specifications

G.hn	Standard Supported	G.hn Wave 2 ITU-T Recommendations: G.996x Family
	Bandwidth (MHz)	200 MHz
	Max. Link/Data Rate (Gbps)	2 Gbps/1.7 Gbps
	Other	Maximum signal power: • -76 (5 … 200 MHz) dBm/Hz AES-128-based encryption Prioritized QoS Up to 4096-QAM OFDM Power mask and notch filtering to coexist with other systems
Interfaces	2x RJ45 Female	10/100/1000BASE-T Auto MDI-X Mode 2500BASE-T Mode
	2x Type-F Female	1x G.hn Port. Data and TV 1x TV signal output
Network Protocols		802.1D Ethernet Bridge 802.1Q VLAN Quality of Service (QoS) IGMP (IPv4) Snooping and MLD (IPv6) Snooping
RF Diplexor	Impedance (Ohm)	75 Ohm
	Data Range (MHz)	1 … 200 MHz
	TV Range (MHz)	290 … 2350 MHz
	Return Loss (dB)	> 10 dB

	Through Loss TV Out. (dB)	< 1.5 (290 … 2350 MHz) dB
	Through Loss Data/ TV (dB)	< 1.5 (1 … 200 MHz) dB
	DC Pass	No
Power	Connector	1x USB Type-C DC 5V/1A
	Max. Consumption	5 W
Enviroment Conditions	Operating temp. (ºC)	0 … + 40° C
Dim., Weight	mm/gr	147,4 x 146,8 mm / 513 gr
Normative	Health & Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 EN 50385:2002 (MPE) EN 50581:2012 (RoHS) Reglamento (CE) 1907/2006 (REACH) EN 50385:2002
	Electromagnetic Compatibility (EMC)	EN 55022:2010/AC:2011 EN 55024:2010 EN 301-489-17 V2.2.1 (2012-09) EN 301-489-1 V1.9.2 (2011-09) EN 61000-3-2:2014 EN 61000-3-3:2013
	Radioelectric Spectrum	EN 300 328 V1.9.1 (2015-02) EN 301 893 V1.8.1 (2015-03)

Manufacturer:
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Documents / Resources

	Televes 769320 Coaxdata Node [pdf] Owner's Manual 769320 Coaxdata Node, 769320, Coaxdata Node, Node

References

- **ᵀ TELEVES**

- T **Buscador de declaraciones de conformidad | Televés**
- **qr.televes.com/A93967**
- **User Manual**