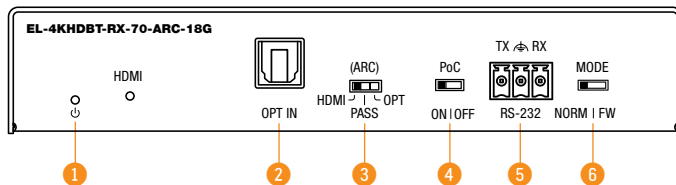# EL-4KHDBT-RX-70-ARC-18G

Quick Reference Guide

The ELAN® EL-4KHDBT-RX-70-ARC-18G HDMI 2.0 4K 60Hz 4:4:4 (18Gbps) HDCP 2.2 HDBaseT ARC Receiver offers market leading features and outstanding value utilizing CSC technology. The product extends HDMI, bi-directional IR & RS-232 and is powered by the matrix up to lengths of 100m (4K 70m). The receiver features ARC support when used with a compatible ELAN matrix analog stereo and Optical Toslink audio breakout.
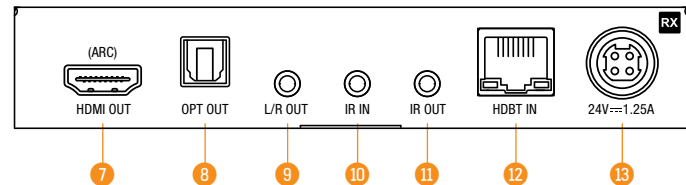
Panel Description

Front

Rear

❶ Power Status Indicator

❷ Optical Audio Input - Toslink audio input. Connects to the optical output of the local display device for Audio Return Channel with compatible matrix

❸ ARC Mode Selection Switch - Alters PoC mode when used with compatible ARC enabled Matrix products such as EL-4KPM-V88-A268-18G

❹ Power over Cable (PoC) Switch (On/Off) - To enable/disable PoC being sent from or received by the receiver

❺ RS-232 3-pin Phoenix Connector

❻ RS-232 Port Mode Selection Switch - Firmware upgrade mode or normal operating mode.

❼ HDMI Output - connect to HDMI on display

❽ Optical Toslink audio output - Connects to local AV amplifier and allows local HDMI audio breakout

❾ Analog Audio Left / Right Output - 3.5mm stereo jack de-embedded audio from HDMI input. Supports stereo 2ch PCM audio only

❿ IR IN (to ELAN 5V 3.5mm IR receiver)

⓫ IR OUT (to ELAN 5V 3.5mm IR emitter)

⓬ HDBaseT Input

⓭ 24V/1.25A DC Power 4-pin Connector

Understanding the EL-4KHDBT-RX-70-ARC-18G HDBaseT status lights

ELAN HDBaseT extender solutions include status LED indicators on both the Matrix/Transmitter and Receiver products to show all connections are active and to help diagnose possible problems.

Understanding the Status Lights

Receiver:

• HDBaseT green light will be lit if there is a stable connection between the Transmitter/Matrix and Receiver

• HDBaseT orange light will be lit when the receiver is powered by Transmitter/Matrix

Transmitter/Matrix:

• HDBaseT green light will be lit when transmitting signal with HDCP

• HDBaseT green light will blink when transmitting signal with no HDCP

• HDBaseT orange light will be lit if there is a stable connection between the Transmitter/Matrix and Receiver

Specifications:

Video Input Connectors: 1 x HDBaseT RJ45 connector

Video Output Connectors: 1 x HDMI Type A, female

RS-232 Input Port: 1 x 3-pin Phoenix connector

IR Input Port: 1 x 3.5mm stereo jack

IR Output Port: 1 x 3.5mm mono jack

Audio Input/Output Ports: Optical in, Optical out, Analog L/R out

Mounting Kit included

Casing Dimensions (W x H x D): 140 x 84 x 18mm

Dimensions Including Connections (W x H x D): 140 x 98 x 18mm

Power Supply: 24V/1.25A DC, 4-pin connector (not included)

Shipping Weight: 0.5Kg

Operating Temperature: 23°F to 131°F (-5°C to +55°C)

Storage Temperature: -13°F to 158°F (-25°C to +70°C)

Package Contents:

- 1 x EL-4KHDBT-RX-70-ARC-18G
- 1 x Mounting Bracket Set
- 1 x Quick Reference Guide

Certifications

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADA, INDUSTRY CANADA (IC) NOTICES

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

Main:
1 (800) 472-5555 - US
1 (707) 283-5900 - International
1 (707) 283-5901 - Fax

Tech Support:
techsupport@elancontrolsystems.com

Web:
elancontrolsystems.com