# Nice

# EL-4KHDBT-RX-40-18G

WORKS WITH ELAN CONTROL SYSTEMS
ELAN a Nice brand

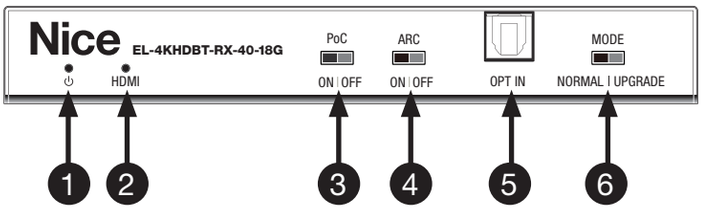
## Quick Reference Guide

## Introduction

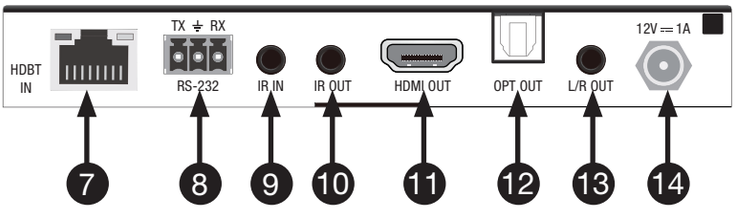
The Nice EL-4KHDBT-RX-40-18G HDMI 2.0 4K 60Hz 4:4:4 (18Gbps) HDCP 2.2 HDBaseT ARC Receiver offers market leading features and outstanding value utilizing CSC technology. The product extends HDMI, bi-directional IR & RS-232 and is powered by the matrix up to lengths of 70m (4K 40m). The receiver features ARC support when used with compatible Nice control system hardware and simultaneous analog stereo and Optical Toslink audio breakout.

## Panel Description

### EL-4KHDBT-RX-40-18G - Front Panel




### EL-4KHDBT-RX-40-18G - Rear Panel




| | | |
|---|---|---|
| 1. | Power Status Indicator | |
| 2. | HDMI Signal Link Indicator | Toslink audio input. Connects to the optical output of the local display device for Audio Return Channel with compatible matrix |
| 3. | Power over Cable (PoC) Switch (On/Off) | To enable/disable PoC being sent from or received by the receiver |
| 4. | ARC Mode Selection Switch | Alters PoC mode when used with compatible ARC enabled Matrix products such as EL-4KPM-V88-A268-18G |
| 5. | Optical Audio Input | Toslink audio input. Connects to the optical output of the local display device for Audio Return Channel with compatible matrix |
| 6. | RS-232 Port Mode Selection Switch | Firmware upgrade mode or normal operating mode. |
| 7. | HDBaseT Input | |
| 8. | RS-232 3-pin Phoenix Connector | |
| 9. | IR IN (to Nice 5V 3.5mm IR receiver) | |
| 10. | IR OUT (to Nice 5V 3.5mm IR emitter) | |
| 11. | HDMI Output - connect to HDMI on display | |
| 12. | Optical Toslink audio output | Connects to local AV amplifier and allows local HDMI audio breakout |
| 13. | Analog Audio Left / Right Output | 3.5mm stereo jack de-embedded audio from HDMI input. Supports stereo 2ch PCM audio only |
| 14. | 12V/1A DC Power Input Screw Type Connector | |

## Understanding the EL-4KHDBT-RX-40-18G HDBaseT Status Lights

Nice 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:**

- HDMI signal link light will be off when there is no connection with a display/sink
- HDMI signal link light will be on when there is an active connection with a display/sink
- 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:**

- HDMI signal link light will be off when there is no connection with a source device
- HDMI signal link light will be on when there is an active connection with a source device
- 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 serial 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-40-18G
- 1 x Mounting Bracket Set
- 1 x Quick Reference Guide
- 4 x Rubber Mounting Pads

## 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.

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