DATA SHEET
IMPERA ECHO
8-BUTTON CONTROL PAD

The Impera Echo control pad is a compact, highly customizable AV control suitable for wall-mounting or installation in the EasyConnect tabletop cable management solution. It provides a simple and intuitive interface for presentation spaces, learning environments, and conference rooms, regardless of the type of equipment installed.

The Echo can be quickly programmed and customized within Project Designer as the needs of the room change over time, making it a very flexible and cost effective control solution.

FEATURES

- Supports up to 8 software-configurable buttons
- Includes on-board controller; no external processor required
- 1 bi-directional RS-232/IR port for third party control with feedback
- 1 uni-directional RS-232/IR port for third party control
- 3 GPIO ports
- Micro USB connection for system configuration and maintenance
- Supports email notifications for lamp/filter hours and warnings
- Expansion Bus supports up to 2 additional devices (keypads and port expanders)
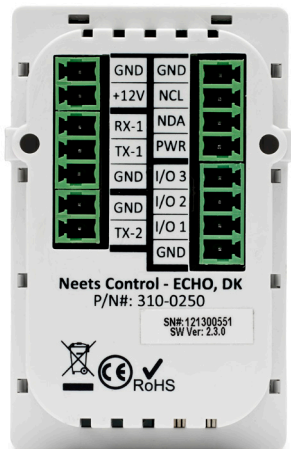- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The control pad shall include 8 mechanical buttons for initiating control functions. The control pad shall include 8 multicolor, software configurable LEDs. Each mechanical button shall have a corresponding LED. The control pad shall include 1 bi-directional RS-232/IR port for controlling third party devices with feedback functionality and shall be software programmable. The control pad shall include 1 uni-directional RS-232/IR port for controlling third party devices and shall be software programmable. The control pad shall include 3 channels of General Purpose Input and Output connection (GPIO) for sending or receiving logic signals. The programming of the GPIO ports shall be software configurable. The control pad shall be CE marked and compliant with the RoHS directive. Warranty shall be five years. The control pad shall be the Impera Echo.

IMPERA ECHO SPECIFICATIONS

Control
Button Quantity:	8
Button Type:	Mechanical
LED Indicators:	Multi-color

GPIO
I/O Quantity:	3
Sense Low:	< 1 VDC
Sense High:	> 4 VDC
Output Type:	Open drain
Max Voltage:	24 VDC
Max Current:	0.5 A

RS-232 / IR
Number of Ports:	1 (bidirectional)
	1 (undirectional)
Baud Rate:	1200 – 115200 bit/sec
Data Bits:	7, 8
Parity:	Even, Odd, None
Stop Bits:	1, 1.5, 2
IR Frequency Range:	381 Hz to 500 kHz

Expansion Bus
Output Power:	12 V DC (0.3 A)
Number of Devices Supported:	2
Power:	12V DC 5W

EU Model Dimensions
Height:	2.2 inches (55 mm)
Width:	2.2 inches (55 mm)
Depth:	0.7 inches (17 mm)

DK Model Dimensions
Height:	1.8 inches (45 mm)
Width:	2.8 inches (72 mm)
Depth:	0.7 inches (17 mm)

US Model Dimensions
Height:	4.1 inches (105 mm)
Width:	1.8 inches (45 mm)
Depth:	0.9 inches (24 mm)
Weight:	0.20 lbs (90 g)

Environmental
Ambient Operating
Temperature Range:	32 - 104° F (0 – 40° C)
Humidity:	10-90% relative humidity (non-condensing)
Altitude:	0-6,600 ft (0-2000m) MSL

Compliance
	CE Marked (Europe)
	RoHS Directive (Europe)

IMPERA ECHO REAR PANEL (DK MODEL)

IMPERA ECHO MODELS

8DKW	DK form factor, white
8DKB	DK form factor, black
8EUW	EU form factor, white
8EUB	EU form factor, black
8USW	US form factor, white