Neets Control – EcHo

8-Button Keypad control system

Neets Control – EcHo provides uniform AV control interface in all rooms through an 8-Button Keypad with built-in controller.

Reliable and intuitive control system and easy to use. EcHo has 1 NEB port for expansion opportunities. EcHo fits most standard installations and is easy to install, configure and integrate into existing AV-installations.

Features

8-Button AV control system
The world's most compact AV control system – no external processors required

8 Freely configurable keypad buttons
Provides uniform AV control interface in all rooms and all 8 buttons can be configured for any function

1 Bi-directional RS-232 port
Used for controlling projectors, displays, amplifiers & other AV devices with feedback functionality

1 Uni-directional RS-232 or 1 IR port
Used for sending commands to projectors or other AV devices using serial or infrared communication

3 General Purpose I/O ports
Used for input/output control of relays, switches and sensors

1 NEB port (Neets Expansion Bus)
Add 2 additional devices - choose between Keypad, Level Control or Port Expansion (serial and I/O).

1 front USB port
Used for easy system configuration, uploading and downloading project files, service and maintenance

Included: Configuration through our free and no-license software: Neets Project Designer

Neets Control – EcHo
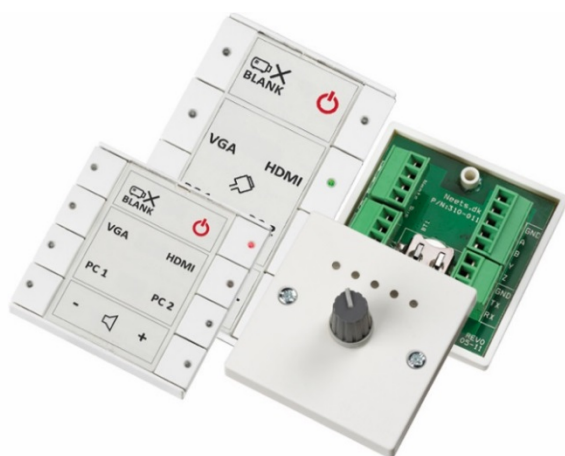
8-Button Keypad control system

Neets Expansion Bus (NEB)

With NEB you get additional expansion possibilities to your AV-installation. Add extra functions to control the AV-equipment and increase ease of use.

NEB Keypad,
Add extra keypads to your installation

NEB Level Control
Level button with turn function and indication

NEB Port Expansion.
The NEB Port Expansion adds extra ports

Backside overview

EU, DK and US versions

Technical Specifications

Communication ports:
1 x RS-232 (TX and RX)
Baud: 1200 – 115200

Data Bit: 7/8
Parity: None, Even, Odd
Stop Bit: 1/1.5/2

1 x RS-232 or IR (TX only)
Baud: 1200 – 115200
Parity: None, even, odd
Stop Bit: 1/1.5/2

IR:
Transmit
381 Hz – 500 kHz
Devices: 2

3 x I/Os (GPIO)
Input:
Sense Low: <1 VDC
Sense High: >4 VDC

Output:
Type: Open drain
Max Voltage: 24 VDC
Max Current: 0.5 A

Neets Expansion Bus (NEB)
12 V (0.3 A) output
2 devices

Included in box
12 V PSU (110- 230V AC)

Dimensions
(without frame) (EU):
Width: 55 mm
Height: 55 mm
Depth: 17 mm

Dimensions
(without frame) (DK):
Width: 72 mm
Height: 45 mm
Depth: 17 mm

Dimensions
(without frame) (US):
Width: 45 mm
Height: 105 mm
Depth: 24 mm

Weight (EU,DK,US)
90 g

Compliancy:
Approval: CE, FCC (part 15, class A)
IEC/ EN 61000-6-1
IEC/ EN 61000-6-2

Product item numbers:
310-0150:
Neets Control – EcHo Plus,
EU - Polar white
310-0151
Neets Control – EcHo Plus,
EU - Anthracite
310-0250:
Neets Control – EcHo Plus,
DK - Polar white
310-0251
Neets Control – EcHo Plus,
DK - Anthracite
310-0450:
Neets Control – EcHo Plus,
US - Polar white