

# ● Network Button Panels

## AV SYSTEM CONTROL INTERFACES



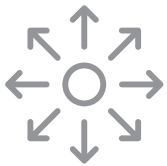
## Ethernet Connected and Fully Customizable AV Control

- ▶ Fully customizable Network Button Panels
- ▶ Integrate easily with Extron Pro Series control systems or HC 400 Series products
- ▶ Use standard Ethernet connectivity
- ▶ Program or configure with Extron software
- ▶ Buttons can be customized using Extron Button Label Generator software or the online Custom Button Builder application
- ▶ PoE compatible
- ▶ Section 508 compliant

**Extron**

# Network Button Panels

Extron Network Button Panels are fully-customizable AV system control interfaces for Extron Pro Series control systems and HC 400 Series products. These panels connect to a control processor using standard Ethernet to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. Buttons can be easily customized using Extron Button Label Generator software or by using the online Custom Button Builder application. The NBP Series also offers the convenience of PoE, which allows the panels to receive power and communication over a single Ethernet cable.



## Seven Network Button Panels - Unlimited Applications

With their freedom from distance limitations, a broad variety of button layouts, and customizable labels, there are virtually unlimited applications for Network Button Panels. Network Button Panels work with TouchLink Pro touchpanels and share the same IP Link Pro control processor. This is especially convenient for applications that are designed with simple pushbutton AV control in some locations and sophisticated interactive control in others.



## Secure by Design

Network Button Panels are designed to enhance control system functionality and add a measure of convenience for the end users; but like all Extron Pro Series control products, they are part of a control ecosystem specifically designed to be secure from outside intrusion and interference. You can rest assured knowing your control system is safeguarded and that Extron has you covered.



Depending on which button panel you choose, individual buttons can be easily customized using the Extron Button Label Generator or by using the online Custom Button Builder application. All Network Button Panels feature backlit buttons that are easy to read even in low-light environments.

# BENEFITS



## Easy Expansion and Upgrades

Presentation environments benefit from AV control systems that can be easily modified to fit the evolving demands of their applications. Network Button Panels streamline system expansion and upgrades by using single Ethernet cable connections and sharing the powerful resources of one IP Link Pro control processor.



## A Consistent Look and a Familiar Experience

Since Network Button Panels have the same physical appearance as Extron's broad range of MediaLink controllers and eBUS Button Panels, they can be used alongside them throughout a facility while preserving a consistent look and user experience.



**MLC 62 IR D**  
MediaLink  
Controller



**EBP 106 D**  
eBUS Button  
Panel



**NBP 106 D**  
Network Button  
Panel

## Extron Driver Library

Extron maintains a library of thousands of Ethernet, serial, and IR drivers that allow our products to control a broad variety of display and source devices. Download individual drivers or a driver package in a single, executable file that can be installed like any software application. We also have an extensive library of Extron Certified Drivers, which have undergone thorough, in-house testing by Extron staff.



**Control System Drivers**



# NETWORK BUTTON PANELS – US GANG

## Wallplate Colors

Black and white faceplates and mud ring included

## Customizable Buttons

Provide intuitive control for source selection or other system functions

## Dual-Color Backlit Buttons

10 dual color, backlit buttons can be labeled in the field for easy identification

## PoE Compatible

Uses a PoE switch or injector, eliminating the need for bulky local power supplies



NBP 200 - Front



NBP 200 - Back

## LED Indicators

Visual level indicators eliminate guesswork

## Control Knob

Control knob with LED indicators for volume or controlling virtually any device via Ethernet, RS-232, or IR

## Mounting Options

Compatible with three-gang US electrical box or included mud ring

## Secure Communication

Maintains secure communications between panel and control processor

## Standard Ethernet

Network Button Panels connect via standard Ethernet

The Extron US Gang style Network Button Panels are fully-customizable AV system control interfaces for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions, such as display On/Off, input switching, volume control, and much more. US Gang style Network Button Panels feature dual-colored backlit buttons for easy operation in low-light environments and a control knob with LED indicators for controlling various functions on virtually any device. All Network Button Panels feature the convenience of PoE. These US Gang style models mount in either two or three-gang junction boxes and include black and white faceplates and mud rings.

## SERIES COMMON FEATURES

- ▶ Fully customizable network button panel integrates easily with an Extron Pro Series control system or HC 400 Series products
- ▶ Network Button Panels use standard Ethernet connectivity
- ▶ PoE compatible - Product is powered directly by a PoE switch or injector, eliminating the need for bulky local power supplies.
- ▶ Removable button caps make changing labels in the field easy
- ▶ Section 508 Compliant
- ▶ Supports the Extron Control App



## NBP 50

Network Button Panel with 6 Buttons - US 2-Gang

### Unique Features

- Six dual-color, customizable, backlit buttons
- Includes black and white, two-gang faceplates and mud ring

Model	Version Description	Part Number
NBP 50	2-Gang, Black and White, 6 Button	60-1953-01



## NBP 100

Network Button Panel with 6 Buttons - US 2-Gang

### Unique Features

- Six dual-color, customizable, backlit buttons
- Control knob with LED indicators can be used for volume, or for controlling specific functions on virtually any device that supports Ethernet, RS-232, or IR
- Includes black and white, two-gang faceplates and mud ring

Model	Version Description	Part Number
NBP 100	2-Gang, Black and White, 6 Button	60-1794-01



## NBP 200

Network Button Panel with 10 Buttons - US 3-Gang

### Unique Features

- Ten dual-color, customizable, backlit buttons
- Control knob with LED indicators can be used for volume, or for controlling specific functions on virtually any device that supports Ethernet, RS-232, or IR
- Includes black and white, three-gang faceplates and mud ring

Model	Version Description	Part Number
NBP 200	3-Gang, Black and White, 10 Button	60-1795-01



MEMORY	
SDRAM	512 MB
Flash	512 MB
SOFTWARE	
Configuration software	Global Configurator® Plus and Professional
Programming software	Global Scripter®
Control apps	Extron Control
Resource management software	GlobalViewer® Enterprise
Utilities	Toolbelt, embedded web page
ETHERNET	
Network interface controllers (NICs)	1
Connector	1 female RJ-45 connector
Data rate	10/100Base-T, half/full duplex with autotdetect
Protocols	DHCP, DNS, HTTP, HTTPS, ICMP, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
GENERAL	
Power input requirements	Power over Ethernet (PoE) (complies with PoE 802.3af, class 3)
<b>Power consumption</b>	
NBP 105 D	
Device	2.0 watts
Device and PoE injector	5.1 watts
NBP 106 D	
Device	2.2 watts
Device and PoE injector	5.1 watts
NBP 108 D	
Device	1.9 watts
Device and PoE injector	5.0 watts
NBP 110 D	
Device	2.0 watts
Device and PoE injector	4.6 watts
NBP 100	
Device	2.2 watts
Device and PoE injector	3.9 watts
NBP 200	
Device	3.0 watts
Device and PoE injector	4.0 watts
NBP 1200C	
Device	TBD watts
Device and PoE injector	TBD watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
<b>Thermal dissipation</b>	
NBP 105 D	
Device	6.7 BTU/hr
Device and PoE injector	17.1 BTU/hr
NBP 106 D	
Device	7.5 BTU/hr
Device and PoE injector	17.3 BTU/hr
NBP 108 D	
Device	6.4 BTU/hr
Device and PoE injector	16.8 BTU/hr
NBP 110 D	

Device	6.5 BTU/hr	
Device and PoE injector	15.7 BTU/hr	
NBP 100		
Device	7.3 BTU/hr	
Device and PoE injector	13.3 BTU/hr	
NBP 200		
Device	10.0 BTU/hr	
Device and PoE injector	13.5 BTU/hr	
NBP 1200C		
Device	TBD BTU/hr	
Device and PoE injector	TBD BTU/hr	
Mounting		
Furniture or wall mount		
NBP Decorator-style Series	Yes, in a standard US 1-gang electrical junction box or mud ring	
NBP 100	Yes, in a standard US 2-gang electrical junction box or mud ring	
NBP 200	Yes, in a standard US 3-gang electrical junction box or mud ring	
Furniture mount		
NBP 1200C	Yes	
Enclosure type		
NBP 1200C	Metal	
All other models	Plastic faceplate and high-impact plastic rear enclosure	
Product weight		
Decorator-style models	0.2 lbs (0.1 kg)	
NBP 100	1.2 lb (0.5 kg)	
NBP 200	1.6 lb (0.7 kg)	
NBP 1200C	TBD lb (TBD kg)	
Regulatory compliance		
NBP 1200C	CE, C-Tick, c-UL, FCC Class A, ICES, UL Complies with the appropriate requirements of RoHS, WEEE, and Section 508 of the Rehabilitation Act (29 U.S.C. 794d).	
All other models	CE, C-Tick, c-UL, FCC Class A, ICES, UL, VCCI Complies with the appropriate requirements of RoHS, WEEE, and Section 508 of the Rehabilitation Act (29 U.S.C. 794d).	
Product warranty		
3 years parts and labor		
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part number
NBP 50	2-Gang, Black and White, 6 Button	60-1953-01
NBP 100	2-Gang, Black and White, 6 Button	60-1794-01
NBP 200	3-Gang, Black and White, 10 Button	60-1795-01
NBP 105 D	Decorator-Style, Black and White, 5 Button	60-1688-01
NBP 106 D	Decorator-Style, Black and White, 6 Button	60-1817-01
NBP 108 D	Decorator-Style, Black and White, 8 Button	60-1818-01
NBP 110 D	Decorator-Style, Black and White, 10 Button	60-1689-01
NBP 1200C	Cable Cubby - Black, AC Module Not Included	60-1835-01
NBP 1200C	Cable Cabby - Br Alum, AC Module Not Included	60-1835-08

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

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