



# **6028 Series**

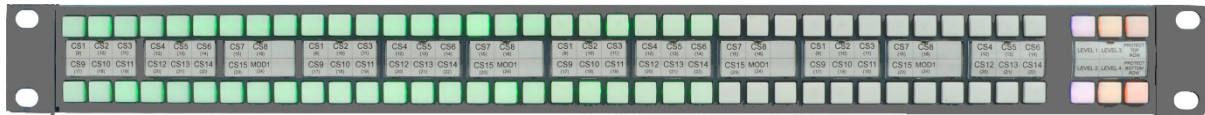
## **1U Control Panels**

# **Quick Setup Guide**

[www.grassvalley.com](http://www.grassvalley.com)

## LED Control Panels

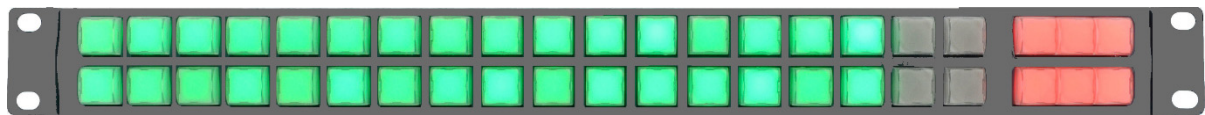
**6028000** (78-key High density Panel – configurable as a BPX or XY panel)



**6028400** (60-key High density Panel – configurable as a BPX or XY panel)



**6028100** (42-key Standard Density Panel – configurable as a BPX panel)



**6028201** (24-key Standard Density Panel – configurable as a BPX panel)



## LCD Control Panel

**6028251**



**6028351**



The LCD panels have a 64x32 pixel LCD on each key and a single rotary encoder. The LCD panels are compatible with Aurora control systems.

# Configuration and Connection

## Step 1: Select Control System

Control panel modes are set using DIP switch 6. See table below:

### Step 1: Select Control System

LED control panel modes are set using DIP switches 5 – 9. See table below

LCD control panel modes are set using DIP switches 1

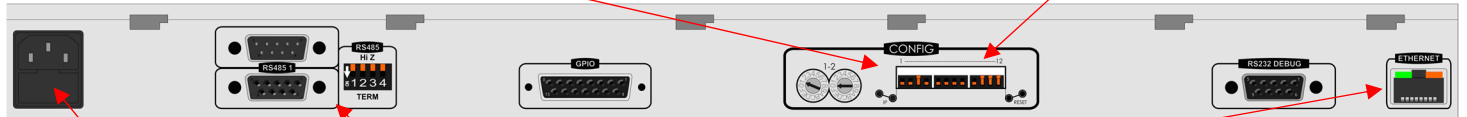
UP = 6711 Mimic (BPX or Freeform)

### Step 2: Select Comms Type

Set DIP switch 10:

UP = RS485 (serial)

DOWN = Ethernet



### Step 3: Connect Power

Plug cable into 2A fused IEC socket

### Step 4: Setup Comms

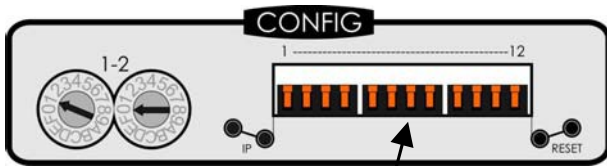
Connect the appropriate cable to a comms port (serial or Ethernet) and configure the port address

- Standard RS232/485 pinout Serial Cable
- Standard CAT-5 10/100 BASE-T straight-through or crossover Ethernet cable

## LCD Control Panel Modes

**Note:** Mode must match database configuration. A mismatch is not flagged – switches may still light and control router crosspoints.

Set DIP switches 5 – 9  
According to the table to set  
the control panel



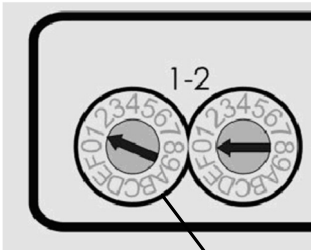
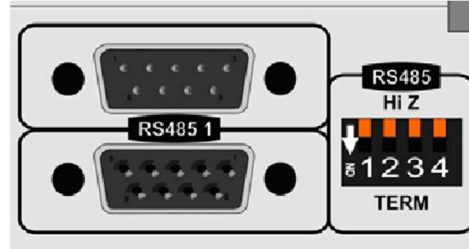
DIP Switches

	DIP Switches				
	5	6	7	8	9
16 Way BPX	Up	Up	Up	Up	Up
Dual 8 Split BPX	Down	Up	Up	Up	Up
<b>8x8 X-Y</b>	<b>Up</b>	<b>Down</b>	<b>Up</b>	<b>Up</b>	<b>Up</b>
16x4 X-Y (no level keys)	Down	Down	Up	Up	Up
32 Way BPX	Up	Up	Down	Up	Up
Dual 16 Split BPX	Down	Up	Down	Up	Up
16x16 X-Y	Up	Down	Down	Up	Up
32x4 X-Y (no level keys)	Down	Down	Down	Up	Up
48 Way BPX	Up	Up	Up	Down	Up
Dual 24 Split BPX	Down	Up	Up	Down	Up
48x4 X-Y (no level keys)	Down	Down	Up	Down	Up
32x16 X-Y	Up	Up	Down	Down	Up
Dual 16+16 BPX	Down	Up	Down	Down	Up
16x16 X-Y	Up	Down	Down	Down	Up
24x12 X-Y	Down	Down	Down	Down	Up
User Defined	Up	Up	Up	Up	Down

## Serial Comms Setup

**Note: Multi-drop address must match database configuration.**

Set DIP switches 1 and 2 down to terminate long cable runs or the end of a multi-drop chain.



Hex Switch 1 sets the multi-drop address:

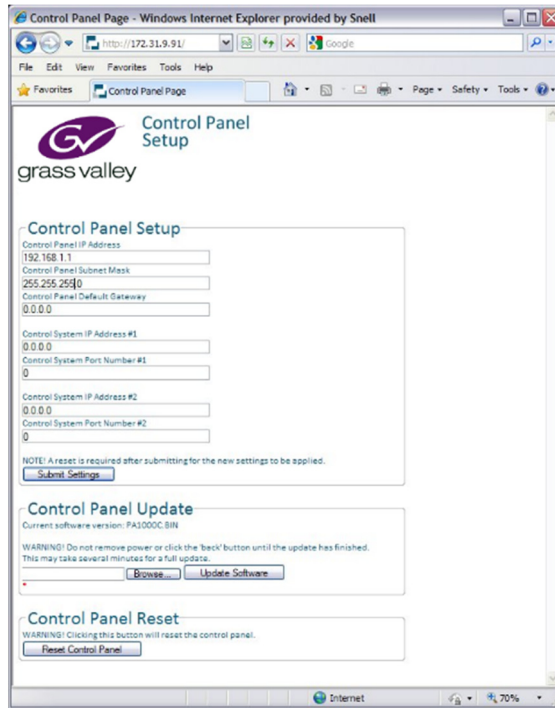
Switch	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0
Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

## Ethernet Comms Setup

**Note: IP address must match database configuration.**

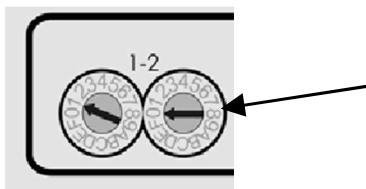
Change IP details from default values before connecting to a real network:

1. Using a PC configured to be on the same subnet as the panel default address, connect to the panel.
2. Open a web browser, type the default IP address **192.168.1.1** and press **Return**.



3. In the Control Panel Setup screen that displays in the browser, type the new control panel IP address, subnet mask, and gateway.
4. Type the Nucleus controller IP addresses and port numbers. Controller port numbers must be greater than 1024 (excluding 3000).
5. Click **Submit Settings**.
6. Click **Reset Control Panel**.

## Key Brightness



Hex switch 2 sets the brightness of the keys.  
0 = minimum brightness, through to  
7 = maximum brightness  
(switch settings 8 - F are not used)

## Contact Information

### Grass Valley Technical Support

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the Contact Us section of Grass Valley's website ([www.grassvalley.com](http://www.grassvalley.com)).

An online form for e-mail contact is also available from the website.

### Corporate Head Office

Grass Valley

3499 Douglas-B.-Floreani

St-Laurent, Quebec H4S 2C6

Canada

Telephone: +1 514 333 1772

Fax: +1 514 333 9828

[www.grassvalley.com](http://www.grassvalley.com)