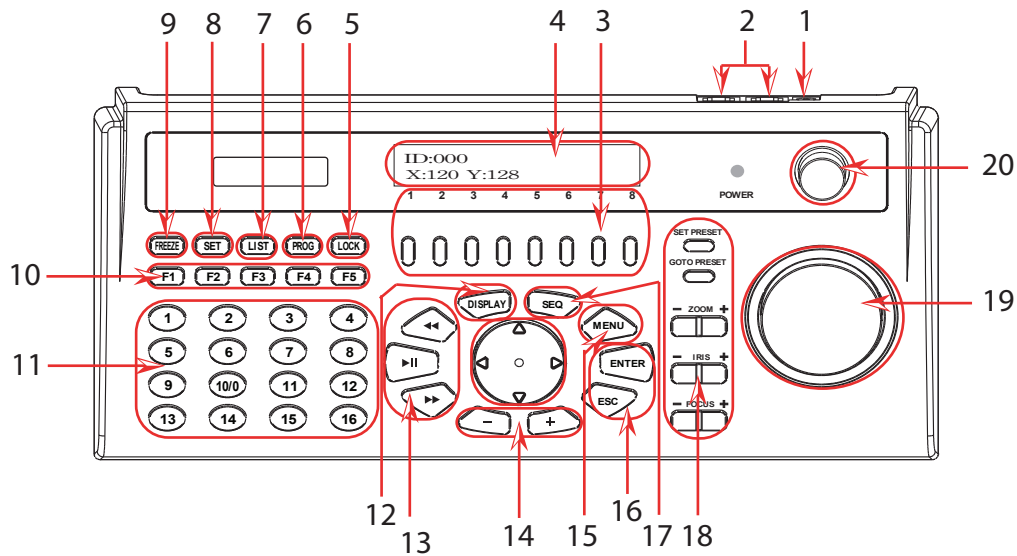


# Joystick Multi-keyboard Quick Reference Guide

## Joystick Multi-keyboard Over View



## Keypads Functions

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1. Power Adapter</li> <li>2. RS-485 Ports</li> <li>3. DVRs Selection Keys</li> <li>4. LCD Display</li> <li>5. Press and hold for 3 seconds to lock keypad</li> <li>6. Press and hold 3 seconds to switch DVR control mode</li> <li>7. Press to pop up DVR EVENT LIST</li> <li>8. DVR SET function key</li> <li>9. Press to freeze the screen image</li> <li>10. DVR function hotkeys</li> </ul> | <ul style="list-style-type: none"> <li>11. DVR channel keys</li> <li>12. DVR Display Mode function key</li> <li>13. DVR Playback function keys</li> <li>14. Values adjusting keys</li> <li>15. DVR MAIN MENU key</li> <li>16. Enter and ESC selection keys</li> <li>17. Sequence mode display function keys</li> <li>18. Camera adjusting keys</li> <li>19. Encoder for adjusting values or items selections</li> <li>20. DVR connected PTZ cameras control joystick</li> </ul> |
|--|---|

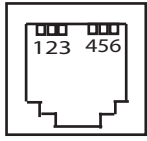
## Specification

Function	Power Indicator	Yes
	Encoder Knob	Yes
	Key Buttons	56
	DVR ID Display	LCD: 20X2
	Control DVRs	8 DVRs
	Multi-keyboard Function	Yes
	PTZ Camera Control	Pan • Tilt • Zoom • Focus • IRIS • Set preset • Goto preset
	Joystick	Yes
	Connector	RS-485
Specification	Voltage Range	DC 12 V
	Operating Temperature	5 ~ 40 °C
	Operating Relative Humidity	10 ~ 75 %
	Weight	700g
	Power Cord Maximum Length	100M
	RS485 Signal	1000M
Dimension	279(L)x133(W)x58(H)mm	

# Introduction

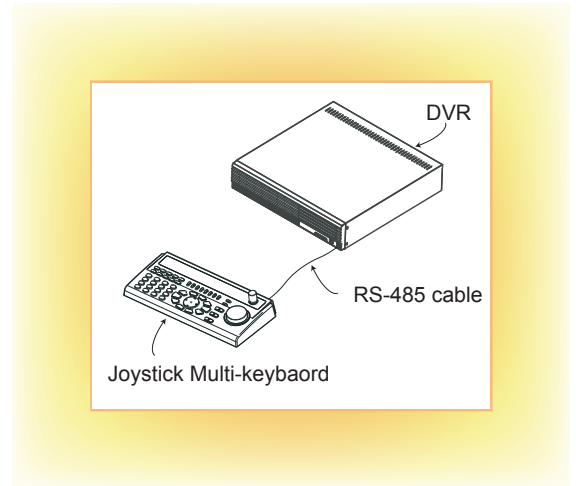
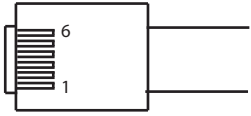
Multi-keyboard can simply use RS-485 cable bus to control multiple DVRs at the same time. User can see the ID number in LCD to know which DVR has been controlled.

## Hardware Installation

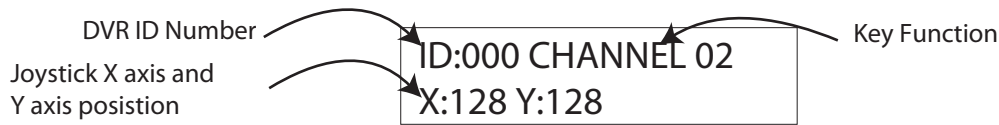


Baud Rate: 38400 bps

Pin Num	Pin Definition
1	No Connection
2	DC +12V
3	GND
4	DATA A (+)
5	DATA B (-)
6	No Connection

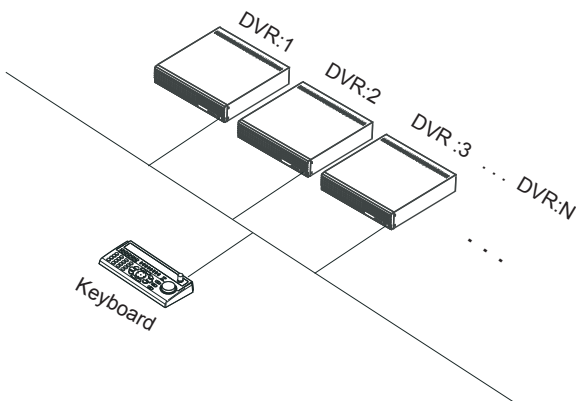


## LCD Display

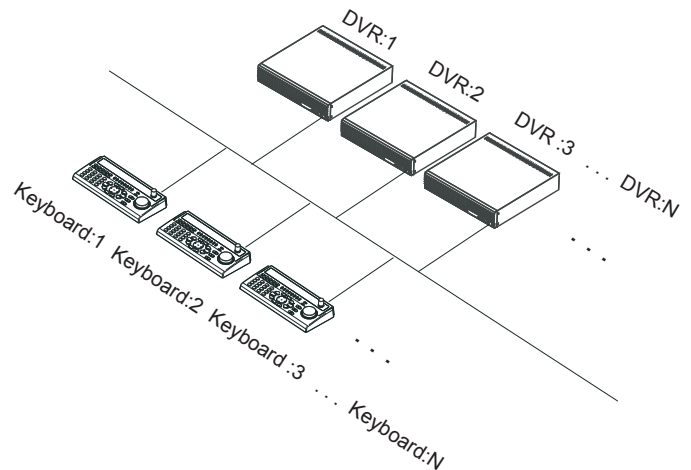


## DVR and Multi-keyboard Connection Modes

1 ~ N Connection:



N ~ N Connection:



## DVR ID Setup

1 ~ N Mode Setup:

To use single Multi-keyboard control all connected DVRs:


1. Press  key for 3 seconds
2. LCD display ID: 000

For example:



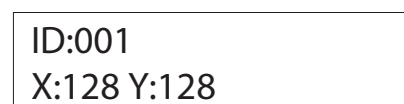
N ~ N Mode Setup:

To use single Multi-keyboard control specific connected DVRs :

1. Press  key for 3 seconds
2. LCD display ID: 001, 002, 003, ..., or 255

For example:

To control connected DVRs which their DVR IDs are 1, Keyboard LCD displays as below.



3. Press and hold one of the DVRs Selection keys for 3 seconds.
4. Input 3 digits by channel keys for ID number. (If DVR ID is 1 in MAIN MENU--> Installer Setup --> RS485, input 001.)