

# KeyCode Open API

## User Guide

### Applicable Models

Model	Description	I/O Control Ports	Notes
KD-CX800	Controller	3	1 IR, 2 IR/RS-232
KD-IP822ENC/DEC	AV over IP Encoder/Decoder	2	1 IR, 1 IR/RS-232
KD-IP922ENC/DEC 922ENC/DEC-II	AV over IP Encoder/Decoder	3	1 IR, 2 IR/RS-232
KD-IP1022ENC/DEC IP1022ENC/DEC-II	AV over IP Encoder/Decoder	3	1 IR, 2 IR/RS-232

### Description

If a Unit's port is configured for use in Open API mode, the device will listen on a dedicated TCP port for that I/O port. The user application/control system can then make a TCP connection to that port and send data to that I/O port.

IP Port number assignments for I/O ports are flexible, and are assigned using KDMS Pro. It is recommended that TCP Port assignments always be no lower than 1024.

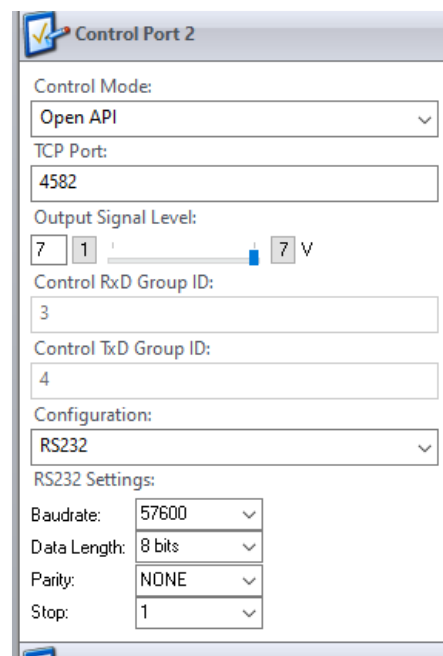
All I/O port traffic is limited to only one TCP connection at a time.

Only 1 port may be set to RS-232 per unit.

### Setup

1. Use [KDMS Pro](#) software to ensure unit's I/O Control ports are set to Open API control mode, with IR or RS232 configuration.
  - a. For RS-232, ensure the Baudrate is set according to the device you are controlling. See example image.
2. Send desired command string to the unit's Main IP address
  - a. For I/O Control Port 1 (RS-232 not supported), use IP Port 4581\*
  - b. For I/O Control Port 2, use IP Port 4582\*
  - c. For I/O Control Port 3, use IP Port 4583\*

\*Unless port has assignment has been updated.







547,547-547,547-1693,547-547,547-1693,547-1693,547-1693,547-547,547-1693,547-1693,547-547,547-1693,547-547,547-65535

HDMI 2

38380,0,0,0,0,0:4507-4507,547-1693,547-1693,547-1693,547-547,547-547,547-547,547-547,547-547,547-1693,547-1693,547-1693,547-1693,547-547,547-547,547-547,547-547,547-547,547-1693,547-1693,547-1693,547-1693,547-1693,547-547,547-1693,547-1693,547-547,547-547,547-547,547-547,547-547,547-1693,547-547,547-65535

Sony TV (Bravia)

Power On

40244,0,0,0,0,0:2385-596,596-596,1192-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,596-596,596-596,596-64000,2385-596,596-596,1192-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,596-596,596-596,596-65535

Power Off

40244,0,0,0,0,0:2385-596,1192-596,1192-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,596-596,596-596,596-64000,2385-596,1192-596,1192-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,596-596,596-596,596-65535

Volume +

40244,0,0,0,0,0:2385-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,596-596,596-64000,2385-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,596-596,596-65535

Volume -

40244,0,0,0,0,0:2385-596,1192-596,1192-596,596-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,596-64000,2385-596,1192-596,1192-596,596-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,596-65535

Mute Toggle

40244,0,0,0,0,0:2385-596,596-596,596-596,1192-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-596,596-64000,2385-596,596-596,596-596,1192-596,596-596,1192-596,596-596,596-596,1192-596,596-596,596-65535

HDMI 1

40244,0,0,0,0,0:2385-596,596-596,1192-596,596-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,1192-596,1192-596,596-596,596-596,596-64000,2385-596,596-596,1192-596,596-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,1192-596,596-596,596-65535

HDMI 2

40244,0,0,0,0,0:2385-596,1192-596,1192-596,596-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,1192-596,1192-596,596-596,596-596,596-64000,2385-596,1192-596,1192-596,596-596,1192-596,1192-596,596-596,1192-596,596-596,1192-596,596-596,1192-596,1192-596,596-596,596-65535



