Key digital®

KD-DA2x4G / KD-DA2x8G

2x4/2x8 4K/18G POH/HDBT/HDMI Distribution Amplifier/ Switcher with Audio De-Embedding (Includes KIT 4/8Rx 100 Meters Extenders)
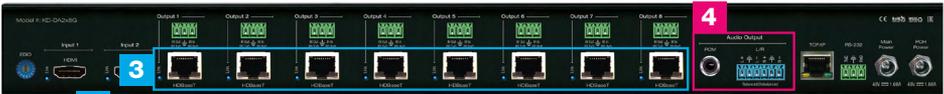
QUICK SETUP GUIDE

CONNECT

Begin with the KD-DA2x4G/KD-DA2x8G unit and all input/output devices turned OFF.

1. Connect HDMI sources to the input ports of KD-DA2x4G/KD-DA2x8G unit
2. Connect HDMI displays to the HDMI ports of KD-XDALRx units

3. Connect CAT wires from KD-DA2x4G/KD-DA2x8G's HDBaseT outputs to KD-XDALRx HDBaseT input
4. Connect analog or digital audio outputs to audio system

5. Connect control system and/or PC to TCP/IP, RS-232, or place IR emitter over IR sensor.
6. To control connected monitors, connect IR/RS-232 pass-thru wiring from control system into pass-thru ports and from KD-XDALRx to controlling displays
7. Screw-in both power supplies to the KD-DA2x4G/KD-DA2x8G's unit, and then connect power to outlets.
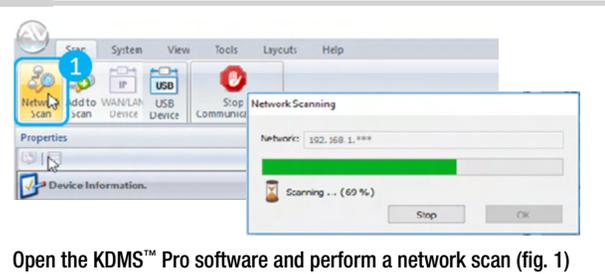8. Power on HDMI sources and displays

CONFIGURE

Configure and control your KD-DA2x4G/KD-DA2x8G units via **Key Digital Management Software™ Pro (KDMS™ Pro)** that can be downloaded here: **https://goo.gl/ZcyHui**

1

Connect to your unit via TCP/IP port using default static IP address **192.168.1.239, port 23** to a 192.168.1.xxx type network or set your PC to a static IP address of 192.168.1.xxx (excluding .239).
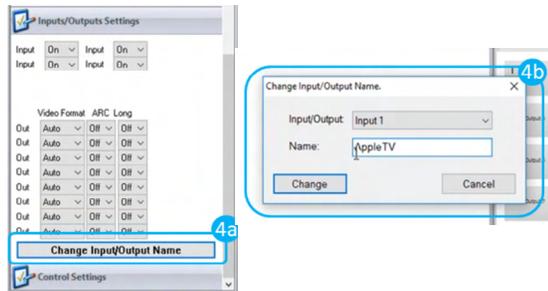
2

Open the KDMS™ Pro software and perform a network scan (fig. 1)

3

Default static IP address: **192.168.1.239, port 23**

> IP Address (default is 192.168.1.239)
> Subnet Mask (default is 255.255.255.0)
> Gateway (default is 192.168.1.1)
> Port (default is 23)

a. Choose the detected device from the Devices window (fig. 2a)
b. In the Network Settings section of the Properties window, enter the desired IP settings (fig. 2b)
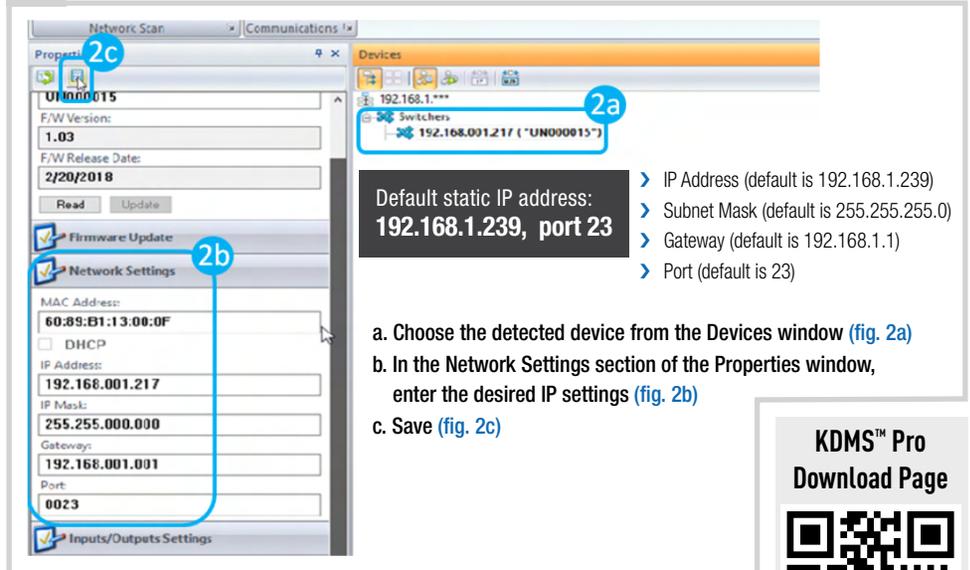c. Save (fig. 2c)

4

If using KD-App or KDMS™ for control, set the desired Input/Output names by entering the Input/Output Settings section of the properties window, and selecting the Change Input/Output Name button (fig. 4a), selecting the desired input/output and entering the name (fig. 4b)

Additional settings may be adjusted in the KDMS software. Full access to all settings/ commands is achieved via terminal session using Tera Term or PuTTy software.

KDMS™ Pro Download Page

Your unit is now ready to control from the KDMS™ Control Panel, KD-App, or by professional control system.
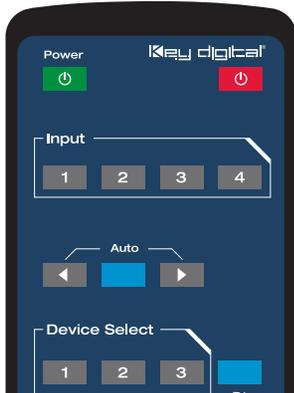

CONTROL

1

Option 1: Control via Remote Control
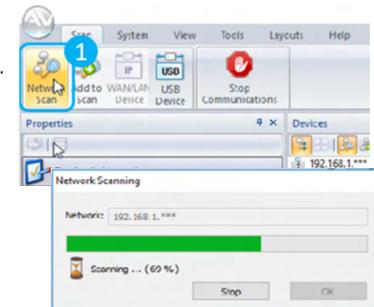
> Switching – Use Input button

2

Option 2: Control via KD-App, or Key Digital Management Software™ (KDMS™)

KD-DA2x4G/KD-DA2x8G are controllable by:

1. **Key Digital's user-friendly iOS App** (FREE Download on the App Store: **https://goo.gl/k5SDyM**) or
2. **Key Digital Management Software™ Pro** (Key Digital website: **https://goo.gl/Kge2LH**).

Configuration Steps:

» Connect and Configure you KD-DA2x4G/KD-DA2x8G as described in this Quick Setup Guide.
» Download and open KD-App and/or KDMS™
» Ensure the iOS device and/or PC computer are on the same network with KD-DA2x4G/KD-DA2x8G
» Perform a network scan in the KD-App/KDMS™
» Select and control the selected KD-DA2x4G/KD-DA2x8G
» If desired, the KD-App allows users to create presets for KD-DA2x4G/KD-DA2x8G's current input-output selections.
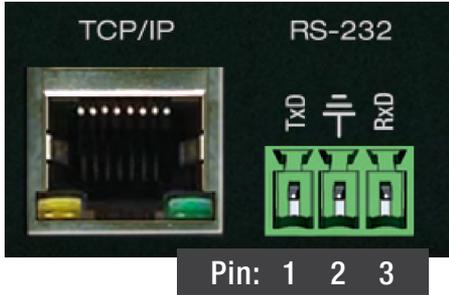

Key Digital® App on the App Store

KDMS™ Download Page

3 Option 3: Control via professional control system

KD-DA2x4G/KD-DA2x8G allows control over serial interface for bi-directional communication.

TCP/IP   RS-232

TxD   RxD

Pin: 1 2 3

Default static IP address:
192.168.1.239, port 23

Connection Protocol:

> Baud Rate = 57,600 bits per second
> Data Bits = 8
> Stop Bits = 1
> Parity = Non
> Flow Control = None
> Carriage Return: Required at end of string

> For RS-232 control use pins 1, 2, and 3 of the Main Control port.
> For TCP/IP control, the **default IP address is 192.168.1.239, with port 23**
> Most Key Digital matrix switches support a standard audio+video switching command. KD-DA2x4G/KD-DA2x8G is also controllable by this command, so if you have previously integrated Key Digital matrixes by third-party control systems you may have success using the same driver/module.

Switching – Video + Audio together (two commands supported)	
SPO01SIyy	yy = input number (01-02)
SPOSIyy	yy = input number (01-02)

⚠ IMPORTANT PRODUCT WARNINGS ⚠

> Connect all cables before providing power to the unit.
> Test for proper operation before securing unit behind walls or in hard to access spaces.
> You MUST use the Power Supply provided with your unit or you VOID the Key Digital® Warranty and risk damage to your unit and associated equipment.

Visit product pages for most recent version of the manual, quick setup guide, firmware, control drivers and all additional downloads.

KD-DA2x4G

KD-DA2x8G