**Unit and System Setup using KDMS Pro Software**

IMPORTANT:

- Configure units <u>after</u> properly configuring your network switch according to Key Digital's <u>Verified Network Switch</u> document.
- Please ensure that all units are organized and labeled as you configure them

1) Download, install, and open <u>Key Digital Management Software</u>
2) Connect PC into network switch via a hard-wire. Disable wireless on the PC
3) Ensure that PC's IP address is 192.168.<u>1</u>.xxx type
4) Connect KD-IP1080 unit (one unit only) into network switch
5) Press **Scan → Network Scan** to begin scan for connected unit
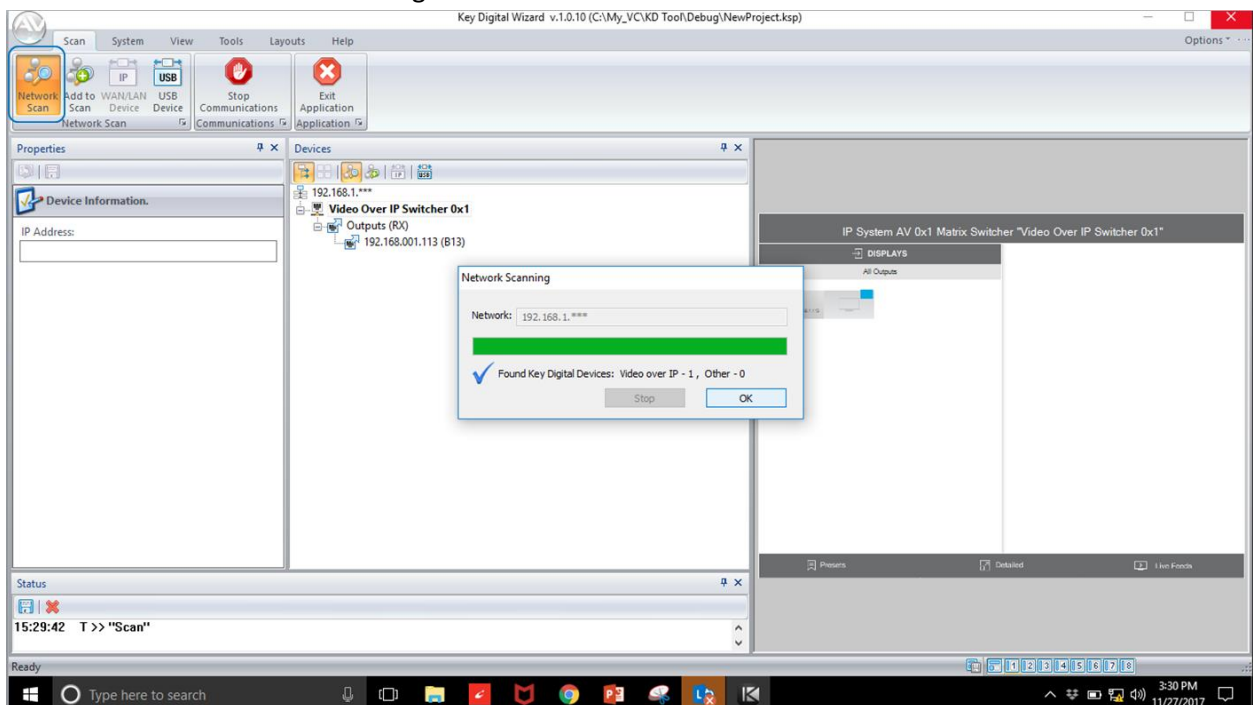


6) Properties Window
   a) Set desired Device name with up to 16 characters (ie "DirecTV 1", "Conf Projector")
      i) Do not use special characters such as !, @, $, ?
   b) Set desired System Group ID according to desired Input (Tx) or Output (Rx) number assignment for unit within virtual matrix system.
      Note: Rx unit Group ID assignment is representative of the selected Tx unit and upon initial configuration of your virtual matrix switcher, all Rx units will view source 1 as a means of distributing video signal to all displays.
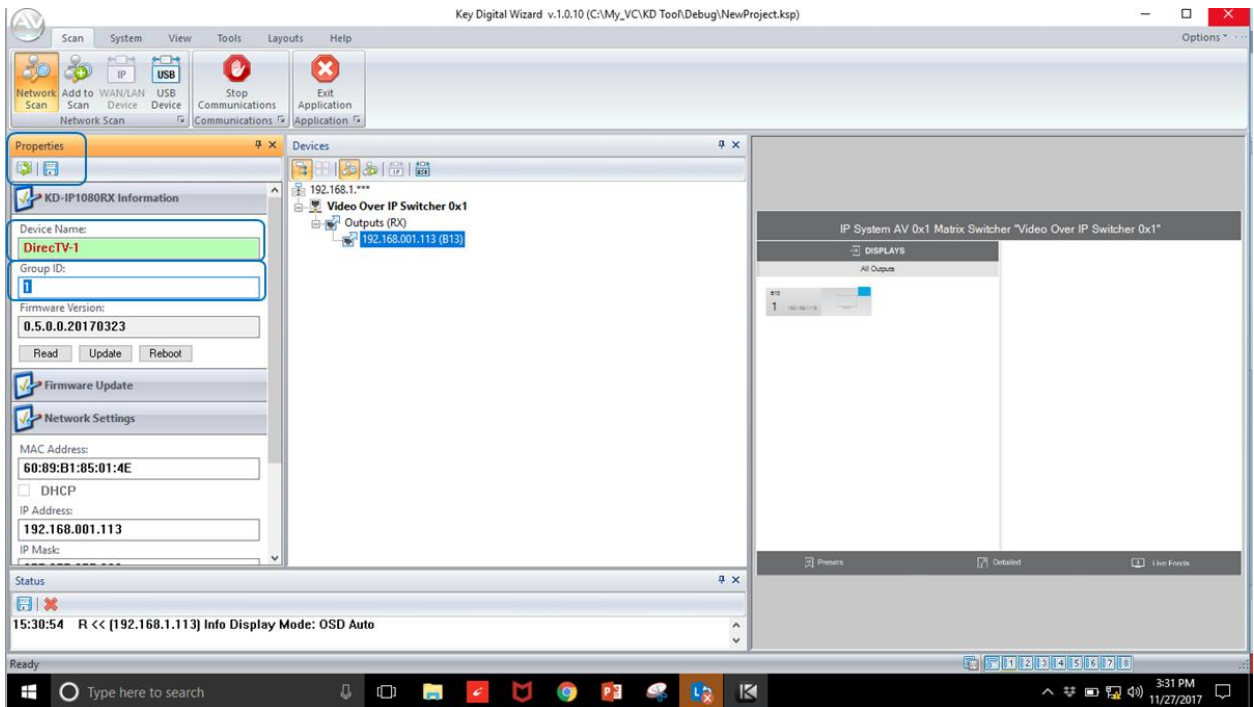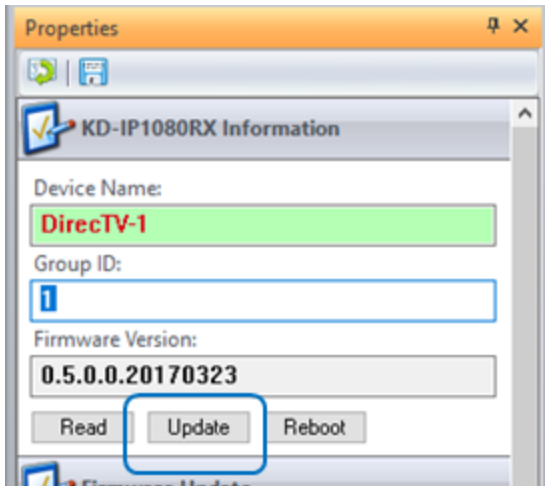
c) Enter Network Settings workspace to set desired IP settings
   i) IP Address is desired static IP assigned to unit
   ii) Gateway is IP address of router/default gateway
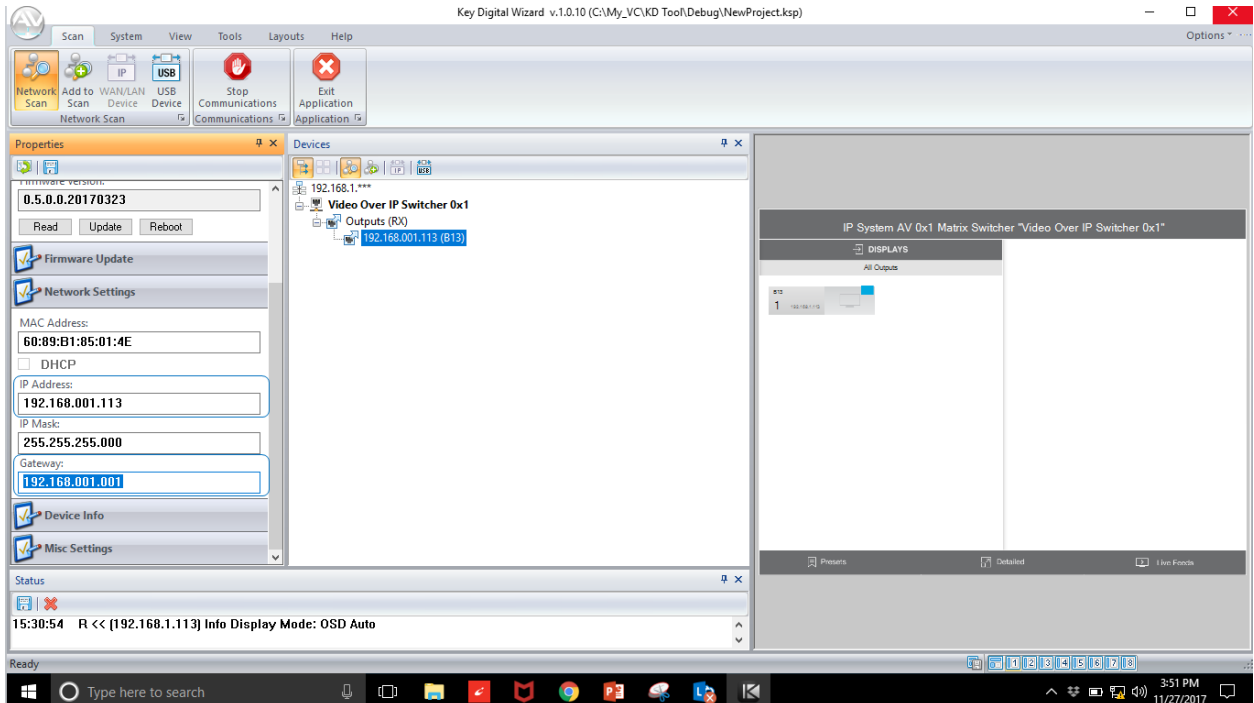


d) After all property updates are entered, press Update button in Unit Information workspace

7) Repeat for each unit

8) Virtual Matrix System Configuration
   a) Connect all units to network switch via LAN port
   b) Hardwire PC computer to the Enterprise AV network and turn off WiFi antenna
   c) Press Network Scan
   d) In Network Devices window, all detected Tx and Rx units will appear
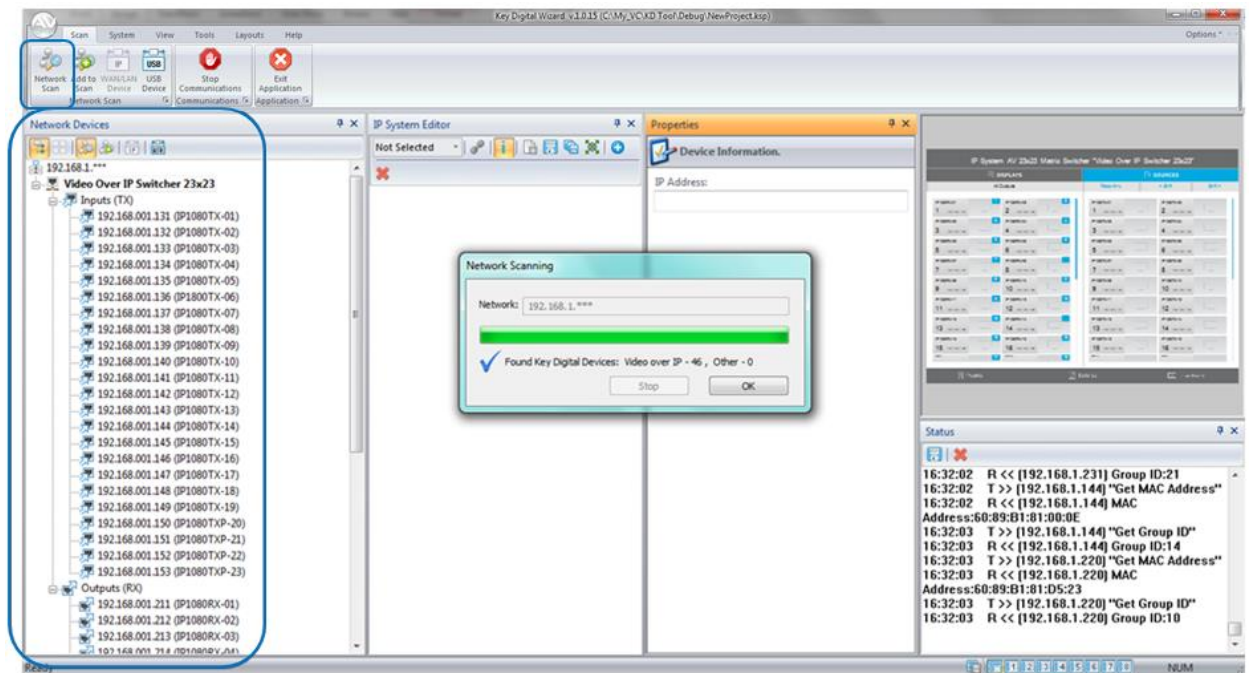


   e) Choose SYSTEM → MANUAL SWITCHER
      i) Enter desired system name for virtual matrix system
      ii) Enter desired number of Input and Outputs according to the number of physical units
          currently connected

(1) System file is easily updated if additional units will be added/removed in future

iii) Ensure that the **IP922 4K SWITCHER** is <u>not selected</u> (that is for KD-IP922 systems only).
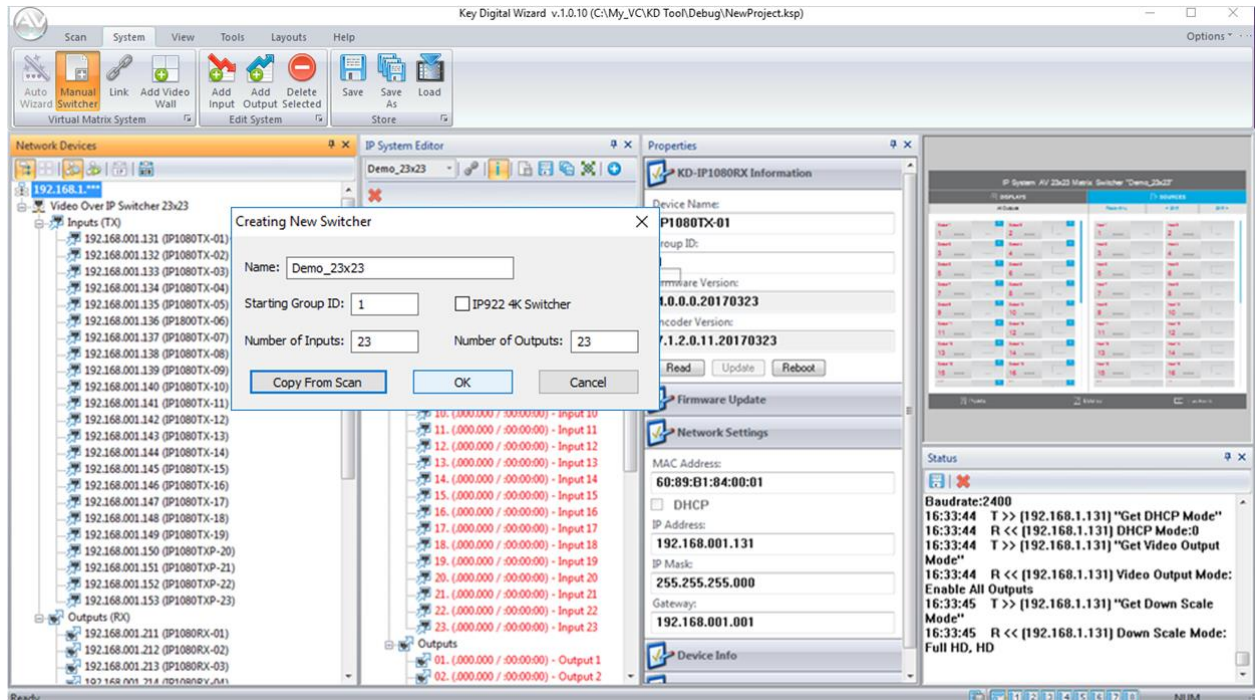


iv) Proceeding with the COPY FROM SCAN / OK options

   (1) IF you have all units configured and live on your network, choose COPY FROM SCAN and all units will automatically transfer to their assigned input/output positions.

      (a) Input assignment sequence is determined by Group ID of Tx units

      (b) Output assignment is according to the listing sequence in the network scan

   (2) IF you do not have all units live on your network, or if you would like to manually assign input/output positions (to better accommodate programming, etc), choose OK

      (a) Drag Tx and Rx units one-by one to their desired input/output positioning
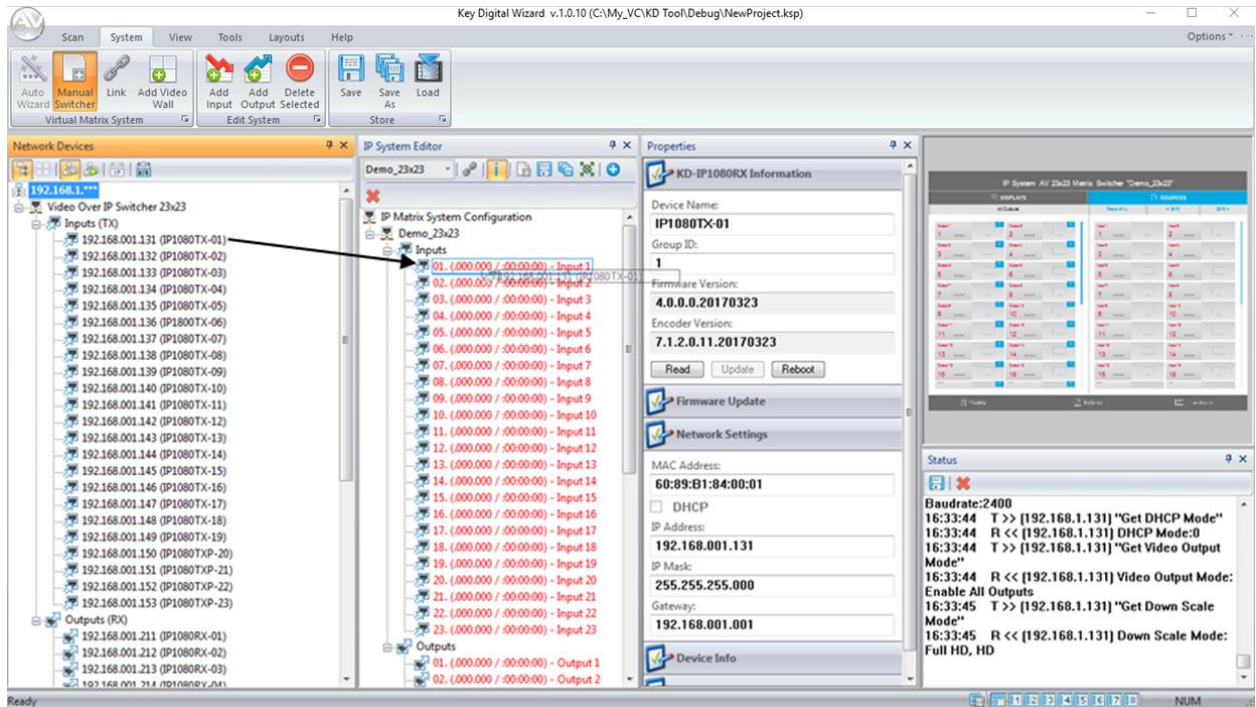
f) Press LINK button after all input/output assignments are completed. Management software now makes final associations with real units.

  i) After link association is made, each unit in the IP System listing will be in **green** text and the control GUI on the right-hand workspace will in **black** text (previously in **red**).

g) Press SAVE button to save switcher file to the KEY DIGITAL MANAGEMENT SOFTWARE folder

  i) File extension is ".swt" for KD-IP1080 systems

  ii) File extension is ".ksw" for KD-IP922 systems



9) Loading Virtual Switcher to Control Gateway (KD-CX800 or KD-MC1000)

  a) Ensure that the KD-CX800 or KD-MC1000 has IP address assigned using KDMS Pro software by connecting via USB, performing a USB scan and entering desired IP address as described in step 6 above. Disconnect USB and connect the control gateway device via network after the setup is completed.

  b) Press LOAD button and the virtual matrix file will load to the KD-CX800 or KD-MC1000 control gateway so that an external control system may communicate with only a single recipient
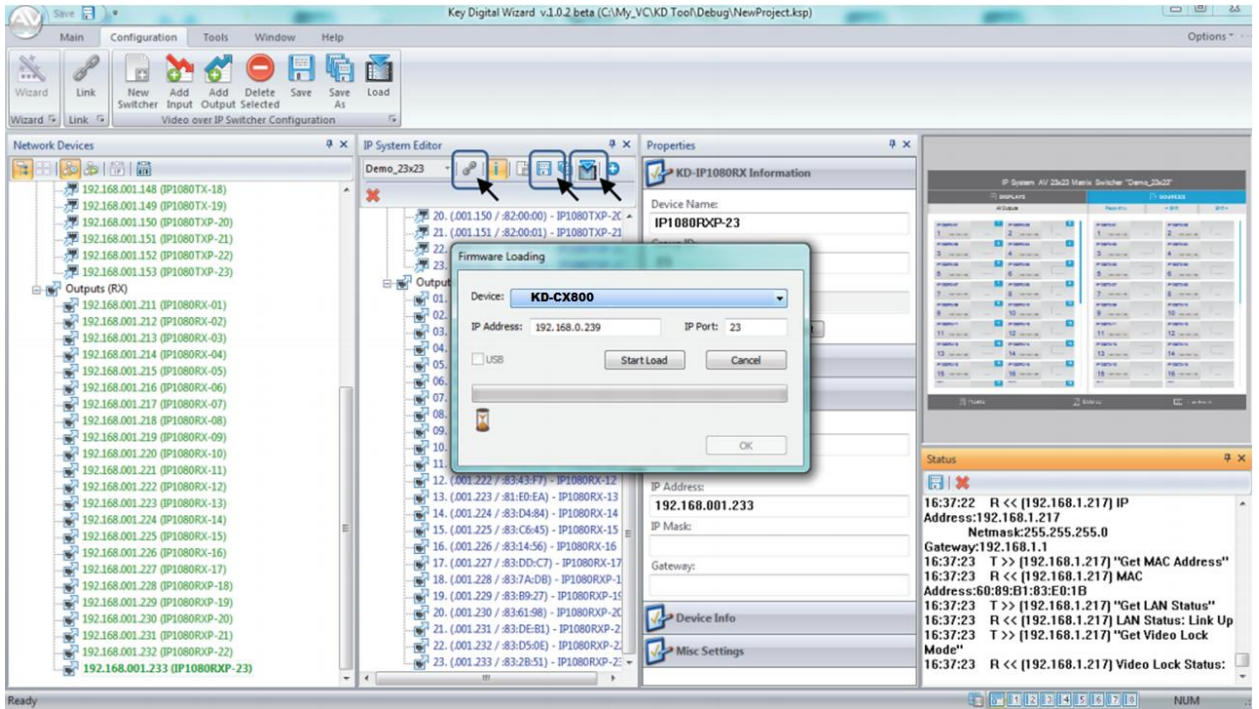
Once the load process has completed, your KD-CX800/KD-MC1000 is ready to be controlled via TCP/IP, RS-232, or IR.  Please refer to the KD-CX800 Operation Manual for additional wiring information.