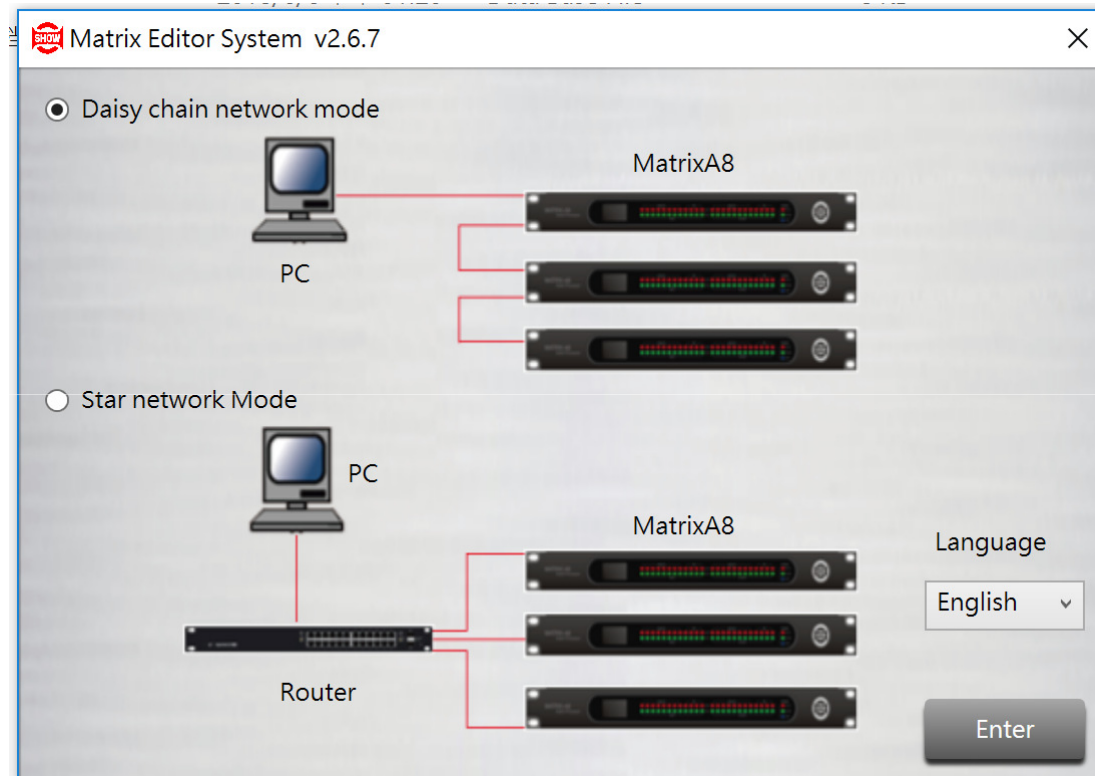




MATRIX System user guide



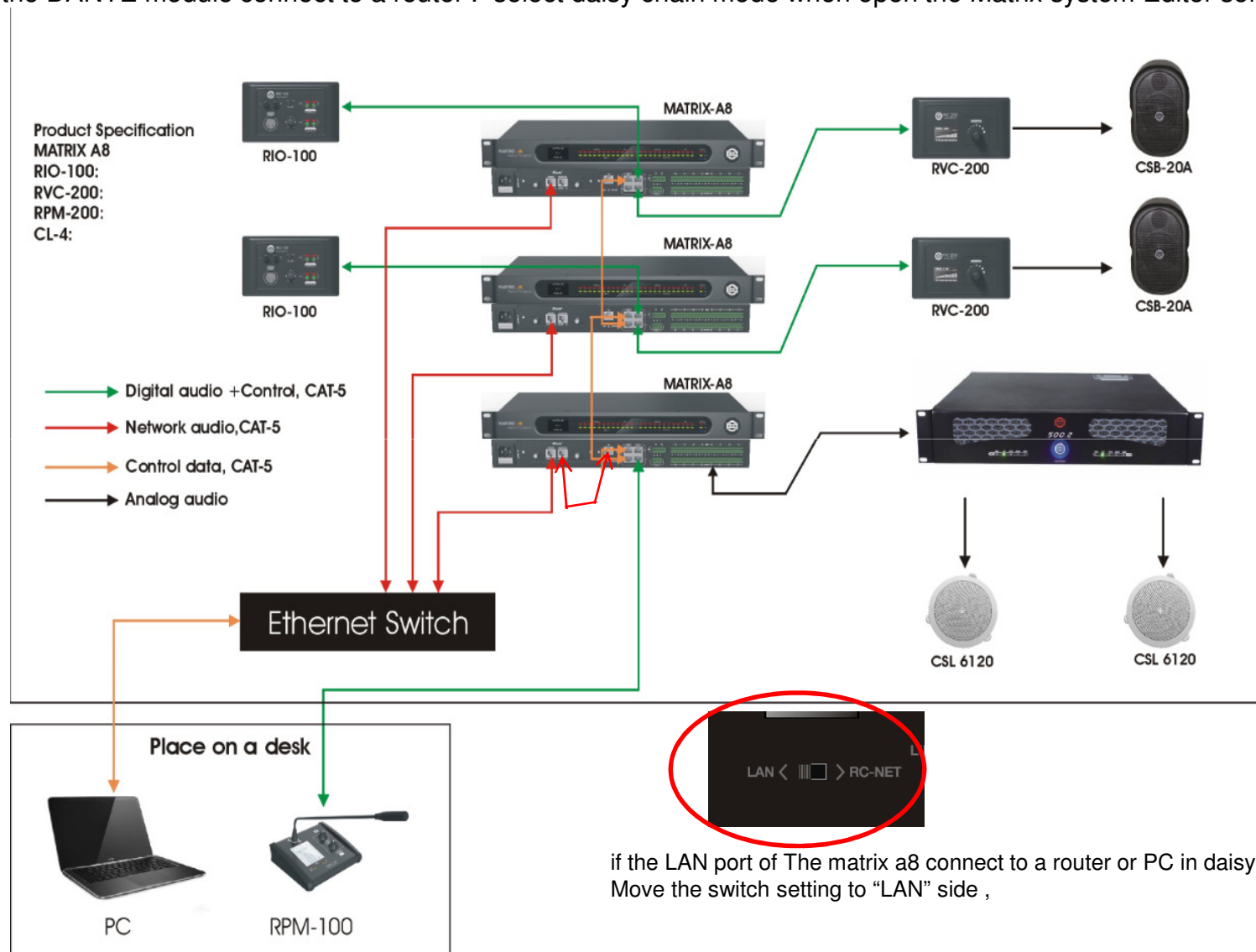
1. There have 2 connections mode for user to select:
 - daisy chain network mode, for the system with paging function
 - star network mode , for the system without paging function.





2. if system have more than one MATRIX A8 devices, and connected RPM-200 Paging MIC, please follow the below steps to set up the system.

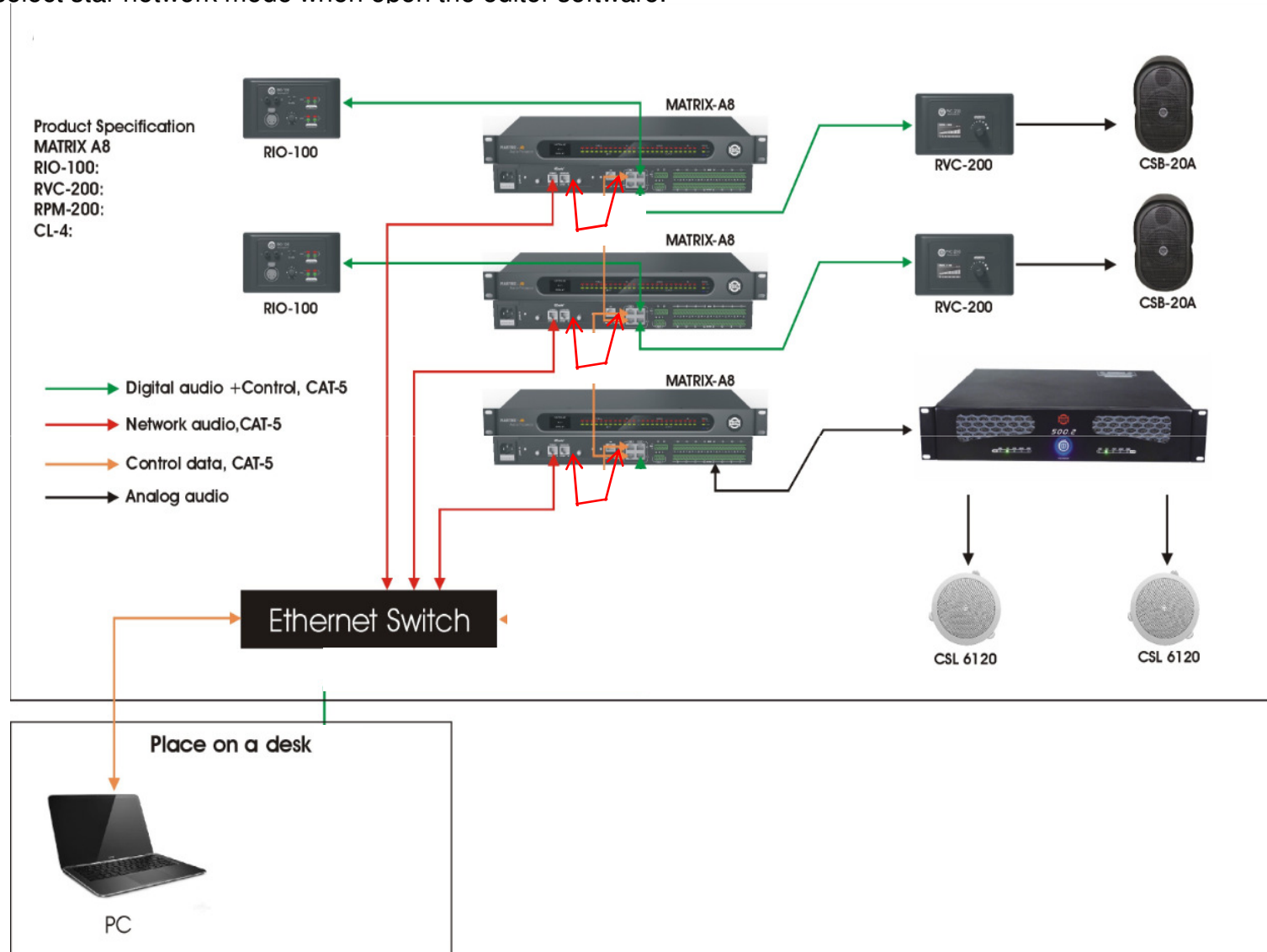
- Please daisy chain to link the device via RC-Net IN/OUT port. and the first MATRIX A8 device should connect to the secondary port of the DANTE module or connect router via LAN port, and setting the LAN switch to "LAN" side.
- all the DANTE module connect to a router . select daisy chain mode when open the Matrix system Editor software.





3. If system have more than one MATRIX A8 devices, but no page MIC function, please follow the below steps to set the system:

- no need to daisy chain connect the MATRIX A8 via rc-net port,
- just need to connect to LAN port to the secondary port of the DANTE module
- select star network mode when open the editor software.





4. how to routing the signal to dante network?

- Routing the input signal of A8 to DANTE network, or routing the network audio from network to all inputs with Matrix system Editor software



Routing the audio from network to all inputs



5. how to routing the signal in dante network?

- Routing the dante network signal with the DANTE Controller

The screenshot displays the Dante Controller software interface, which is used for configuring and managing Dante audio networks. The interface includes a top toolbar with icons for undo, redo, save, and other functions. Below the toolbar is a tabbed menu with options: Routing, Device Info, Clock Status, Network Status, and Events. The 'Routing' tab is currently selected.

The main area of the interface is divided into several sections:

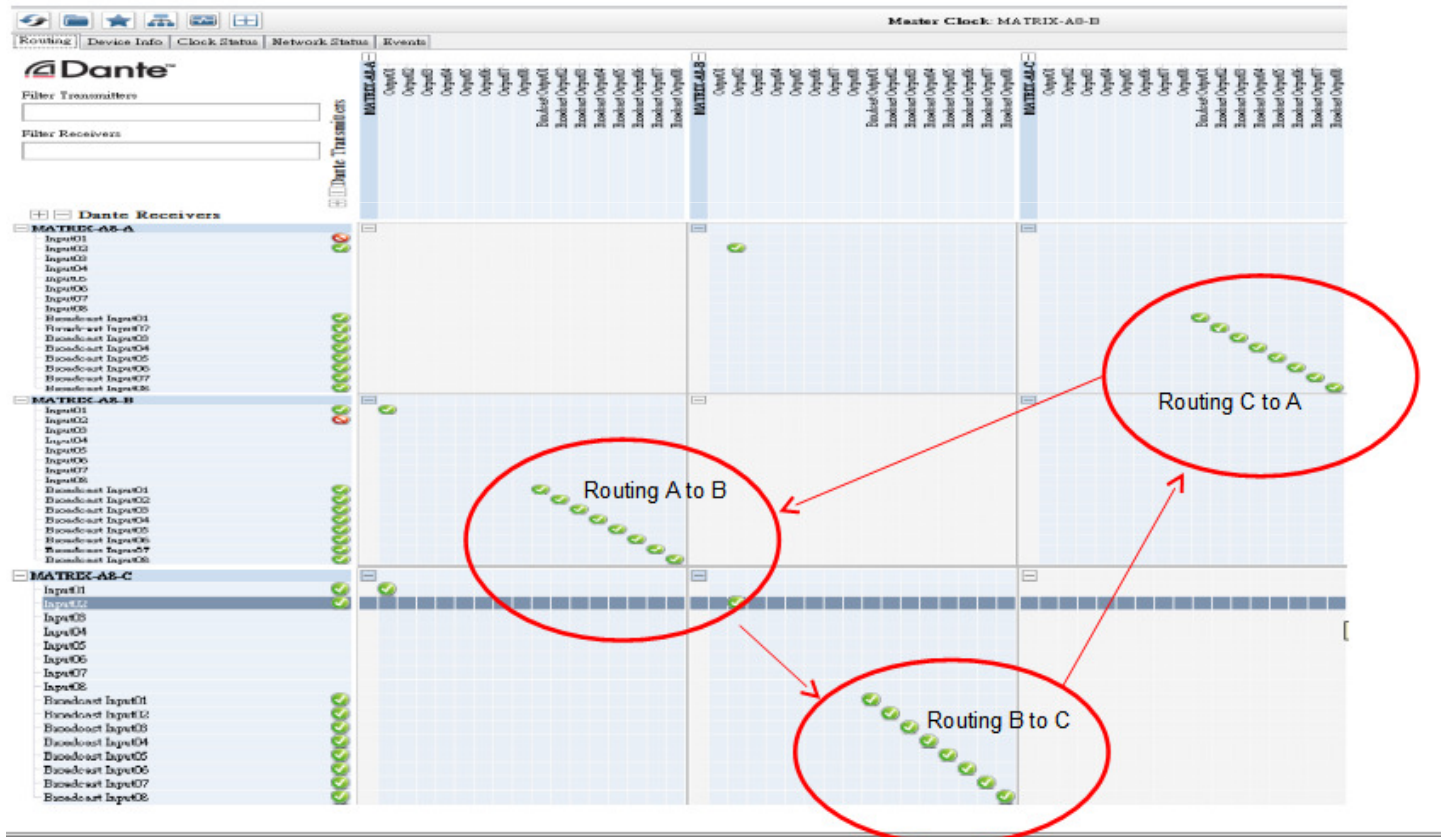
- Filter Transmitters:** A text input field for filtering transmitters.
- Filter Receivers:** A text input field for filtering receivers.
- Dante Transmitters:** A list of transmitters, including MATREX-A8-A and MATREX-A8-B, each with a set of output ports (Output01 to Output08) and a status indicator (green checkmark or red X).
- Dante Receivers:** A list of receivers, including MATREX-A8-A and MATREX-A8-B, each with a set of input ports (Input01 to Input08) and a status indicator (green checkmark or red X).
- Routing Matrix:** A large grid area where routing connections are made between transmitter outputs and receiver inputs. Green checkmarks indicate successful connections, while red X marks indicate failed or missing connections.

The routing matrix shows connections between the outputs of MATREX-A8-A and the inputs of MATREX-A8-B, and between the outputs of MATREX-A8-B and the inputs of MATREX-A8-A.



6. how to set up the for paging function?

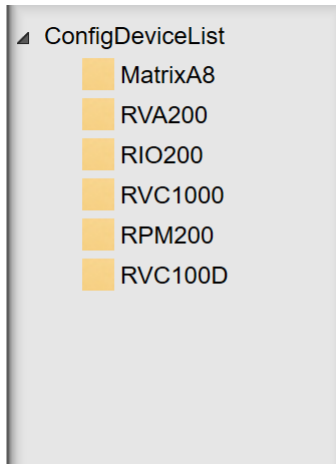
- Update the DANTE Module firmware with “DANTE16_VER20170103BK32.dnt” firmware file
- open the DANTE CONTROLLER software , then we can see there are total 16 input/16 output channels for each device. BroadCast Input01-08/ BroadCast output01-08 channels are used for paging signal transmit and received.
- routing the first one device BroadCast output01-08 channels to the second one BroadCast Input01-08, routing the second one device BroadCast output01-08 channels to the third one BroadCast Input01-08, ----- routing the last one device BroadCast output01-08 channels to the first one BroadCast Input01-08, so that all the MATRIX A8 can share the paging signal , for example:





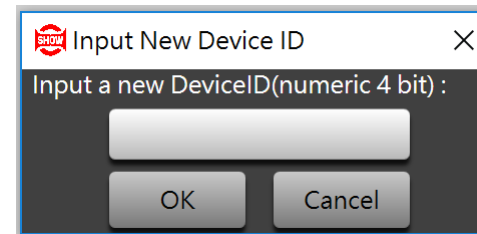
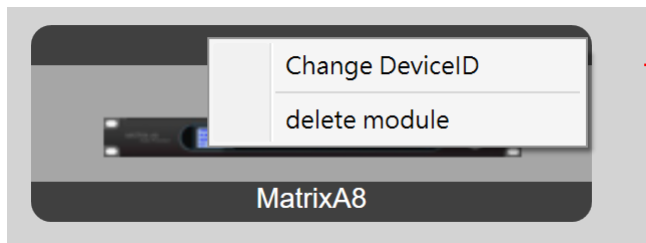
7. how to add more device?

- drag out the device from the device list to add to the system



8. how to change the device ID or delete the one device

- before connect the system, the user need to set up the device ID, The device ID should be same as the ID that the user want to connect to .



9. After set up, the system would automatically to assign the ID for each device in this system

- the user can see the ID number in LCD screen except RIO-200. The first 2 number of RIO-200 ID is same as the Matrix A8 that it connected to.
if the RIO-200 connect to RD9/10 Port of Matrix A8,the last 2 number should 50. for example ,if Matrix A8 ID==0X1000, then RIO-200 ID==0x1050
if the RIO-200 connect to RD11/12 Port of Matrix A8,the last 2 number should 60.for example ,if Matrix A8 ID==0X1000, then RIO-200 ID==0x1060



Device ID