



# Boom MAGNA Pro Module Manual

**About:**

Upgrade your video conferencing experience with MAGNA Pro to level up your meeting and live events with Ultra HD 4K @ 60fps, intelligent people tracking, and 27x zoom.

TCP/IP and RS-232 modules integrate the camera into the Compass Control system, along with an RTSP preview window for real-time viewing in the Compass iPad. An IR control module is also included the module zip folder, giving all possible control options.

**Control:**

Compass Control module sends VISCA generic control commands to provide the following:

- Pan, Tilt, Zoom Control
- Preset Save & Recall
- Power
- RTSP Preview Window (RS and IP modules only)

**Setup in Compass Navigator:**

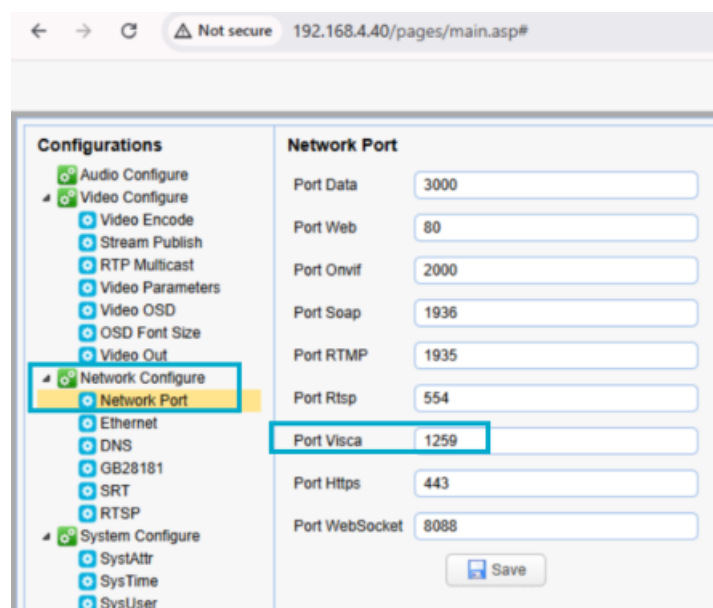
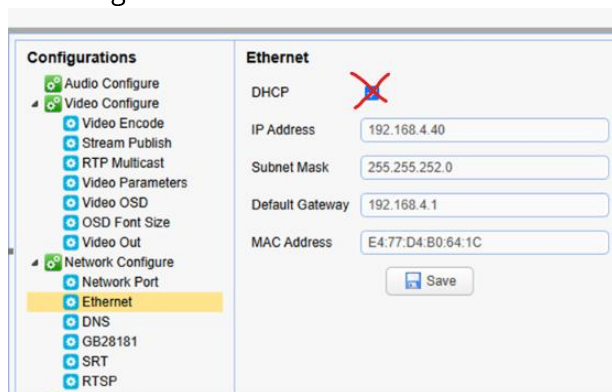
- Download the module zip folder and extract the folder.
- In Compass Navigator go to PROGRAM > ADD MODULES, and select USER MODULE as the module type, then press the "... " ellipses button to browse for the .mod file in the location of the download.
- Select the brand and model, and press the ADD DEVICE button.
- Go to PROGRAM > CONTROLLING FLOW.
  - **For IP** Control, Drag the module(s) into the IP DEVICES section of the SYSTEM DESIGNER WINDOW.
  - Click the KD\_Boom\_MagnaPro and enter the IP address in the Device Properties window at the right side of screen, leaving the IP Port set to 1259.
  - **For RS-232** control, right-click the desired port on your Master Controller, and set to RS-232, then drag the device to that port.
  - **For IR** control, drag the device to the desired Master Controller port.

## Setup Device Communication:

Control via TCP/IP, RS-232, or IR

### IP module:

- Set a static IP address for the camera to ensure reliable control in the future, and enter correctly in Compass Navigator.
- Ensure the VISCA communication port is at the default, port 1259, or match appropriately in Compass Navigator



### RS232 module:

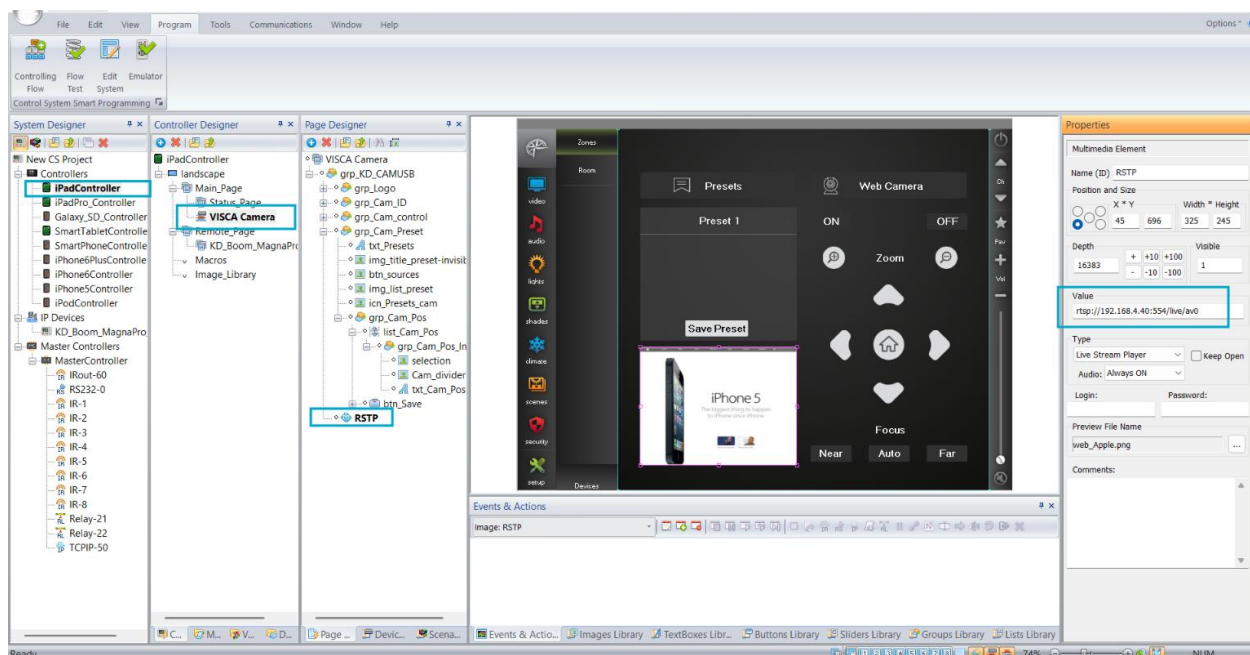
- Ensure the camera's baud rate is at its default setting, 9600, in the web UI.
- Use the Male Mini-DIN-8 to female DB9 accessory cable included with Magna Pro and connect to the male DB9 RS-232 cable included with your Key Digital Master Controller.

### IR module:

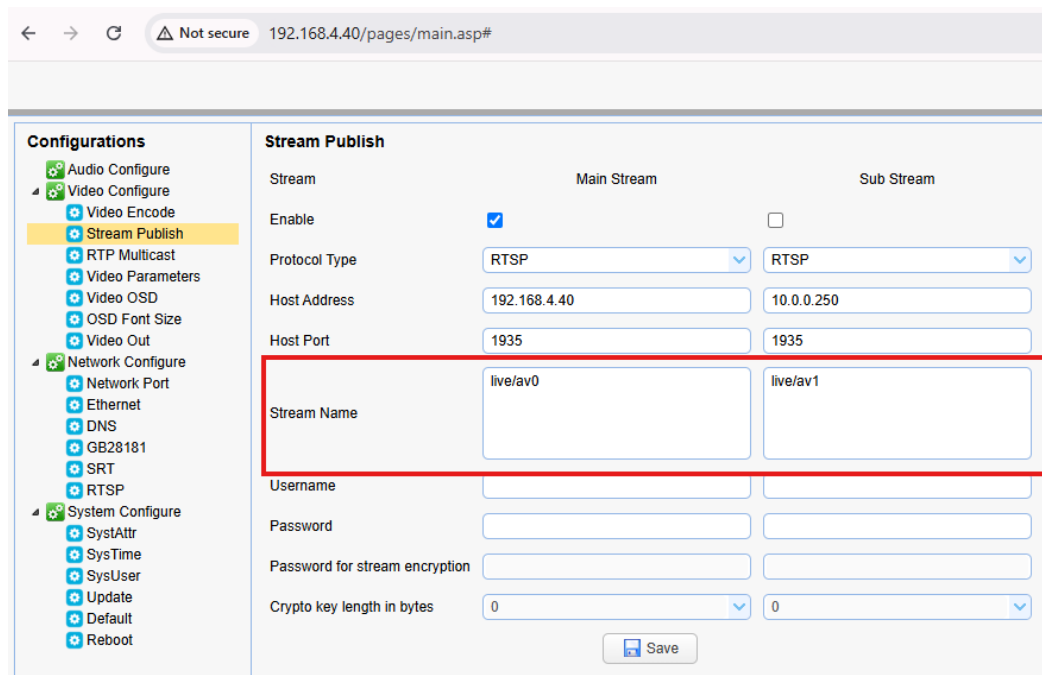
- Mount an IR emitter over the Magna Pro IR sensor – to the right of the green light in center.

### RTSP Preview Window:

- After adding the IP or RS-232 modules to the Compass Navigator and dragging into SYSTEM DESIGNER Control tree, edit the module by right-clicking the KD\_Boom\_MagnaPro device and choose EDIT MODULE. Compass will now enter .mod editor mode.
- Choose the iPad in the far-left, then the "VISCA Camera" page in the Controller Designer window.
- Then, within the PAGE DESIGNER window, choose the RTSP element and edit the VALUE cell to match the IP address of the Camera.



- Note that the Stream Names may also be edited in the Camera and matched in Compass Navigator if desired.



- Also note that the RTSP Stream window may be set to invisible to deleted if desired.
- When done editing, choose FILE > SAVE, and then FILE > RETURN TO PROJECT to automatically return to your system project (.ksp editor mode).