



PresenterTek's TeleSpinIP Operators Manual

Rev B, 1/1/2025

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Overview:

The TeleSpinIP allows for rotation of studio teleprompters of up to +/- 90 degrees using a variety of control methods: 1)PTZ Camera Controller with VISCA 2) Broadcast Studio controllers 3) PC Based Software and 4) TouchScreen Controller.

The TeleSpinIP mounts to any standard tripod with a 3/8 -16 dovetail mounting bracket. The Teleprompting hood monitor, either 75mm or 100 mm , mounts to the top to the TeleSpinIP.

The TeleSpinIP can be configured for the variety of VISCA standards currently available . A built in Web-HTML Server allows full IP/Local Area Network (LAN) configuration using any web-browser. In addition, a Microsoft Windows App can also be used.

Multiple TeleSpinIP's can be controller from a single PTZ Camera Controller.

The TeleSpinIP runs off a single +24V power supply and control is via a single RJ45 ethernet cable

TeleSpinIP Setup:

- 1) Attach customer-supplied monitor/teleprompter unit to the TeleSpinIP's upper detachable Monitor Adapter Plate using the appropriate M4 or M5 flathead screws provided, noting forward-facing orientation ('Front' label). Ref. Figure 1 and 2.
- 2) Attach the plate/teleprompter unit to the TeleSpinIP's Top Plate. Ref. Figure 1, 2 and 3.
- 3) Plug Ethernet cable into the RJ45 inputs on the back of the TeleSpinIP. Connect remaining end into either an ethernet switch or directly to the PTZ Camera Controller Ref. Fig.6 for cabling diagram
- 4) Insert 3 pin XLR power supply connector located on underside of TeleSpinIP. Ref. Fig.4.

- 5) Insert power supply into a wall outlet; a power LED on the supply will illuminate.
- 6) Power up unit using the **Red** LED, located on the back of the TeleSpinIP. Verify LED is illuminated.

CAUTION: TELESPIPIP WILL MOVE TO THE HOME POSITION AUTOMATICALLY ON POWER UP.

VESA Monitor Adapter Plate

The VESA monitor adapter plate provides the mounting interface between the TeleSpinIP's top plate and the Teleprompting hood monitor. Both standard 75mm or 100 mm mounting hole patterns are supported.

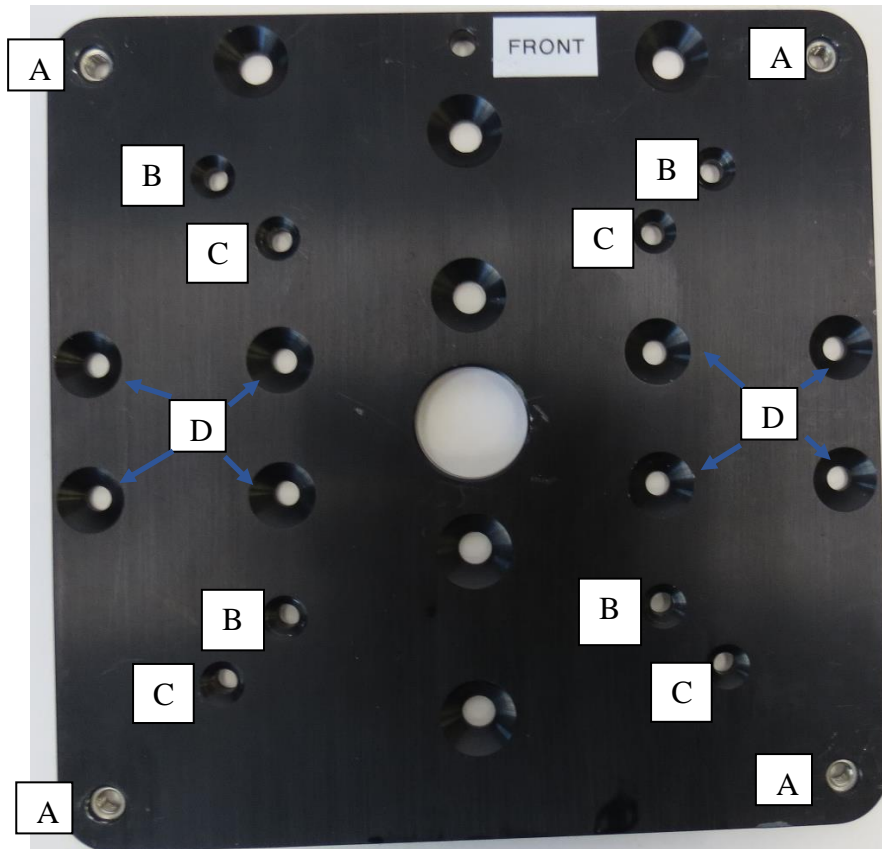


Figure 1: VESA Monitor Adapter Plate

Label	Description
A	Thread the #10-32 Truss Hd Screws into the 4 outer tapped holes from the bottom of the Top Plate. Attaches VESA Monitor Adapter Plate to the Top Plate of the TeleSpinIP (4 places)
B	100 mm VESA monitor pattern. Uses M5 X 12 screws (not included) (4 places)
C	75 mm VESA monitor pattern. Uses M4 X 12 screws (not included) (4 places)
D	Optional Overhead Cradle Mount.(8 places)



Figure 2: VESA Monitor adapter plate with Monitor

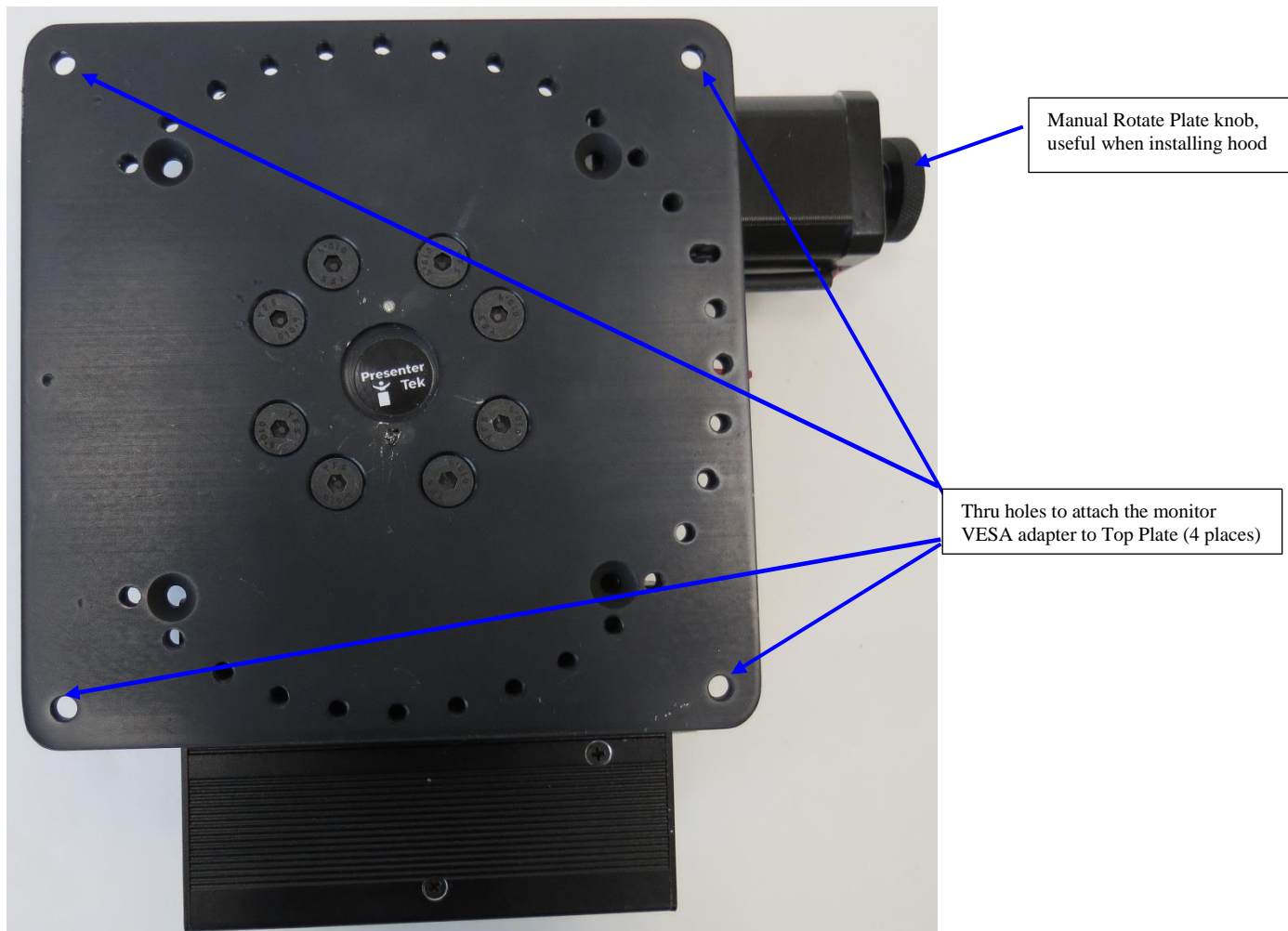


Figure 3: TeleSpinIP's Top Plate

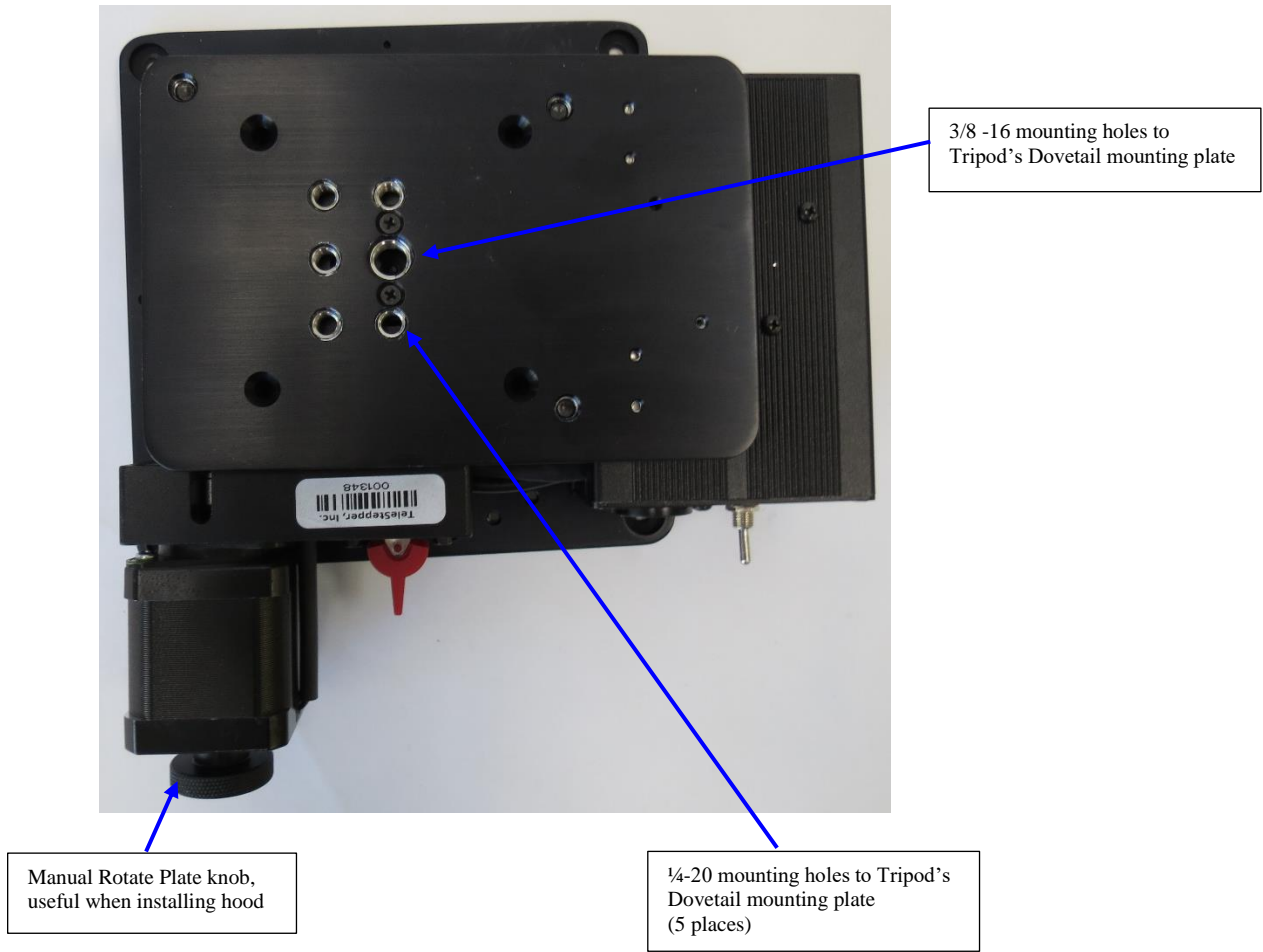


Figure 4: TeleSpinIP Bottom View



Figure 5: TeleSpinIP Power supply with 3 pin XLR Connector

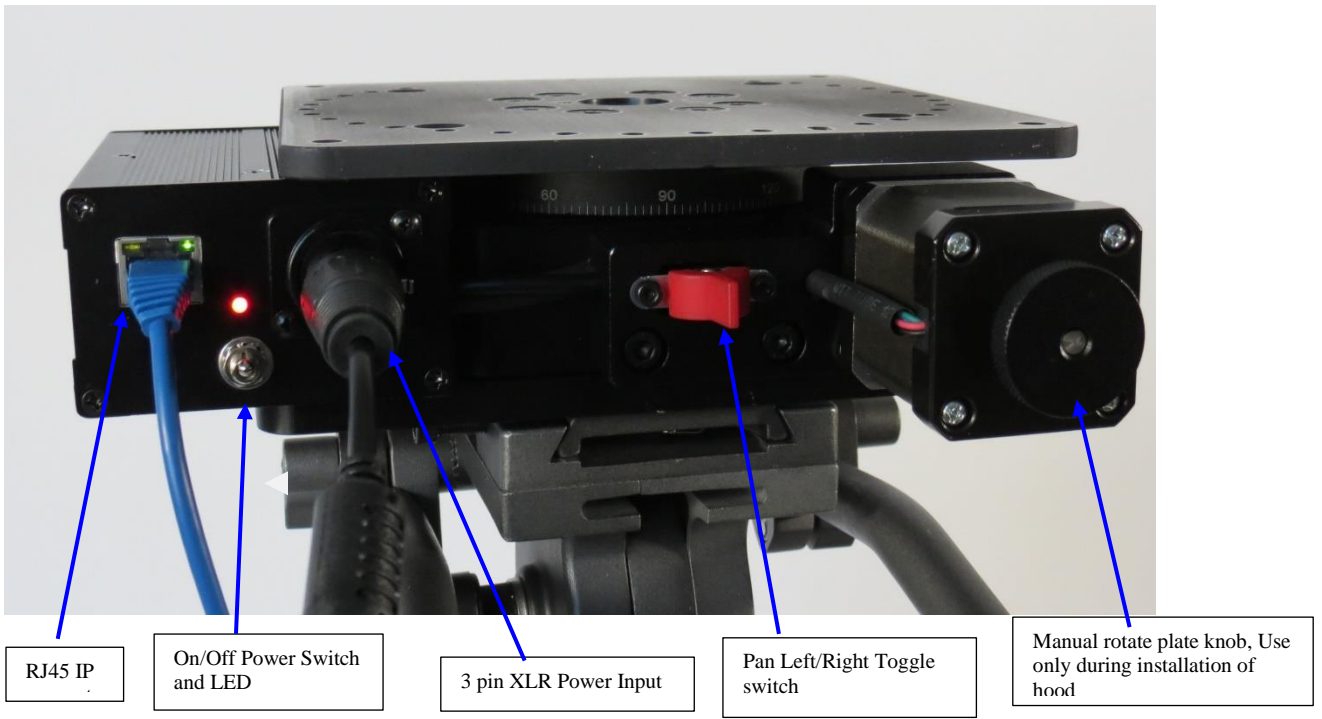


Figure 6: TeleSpinIP Side View

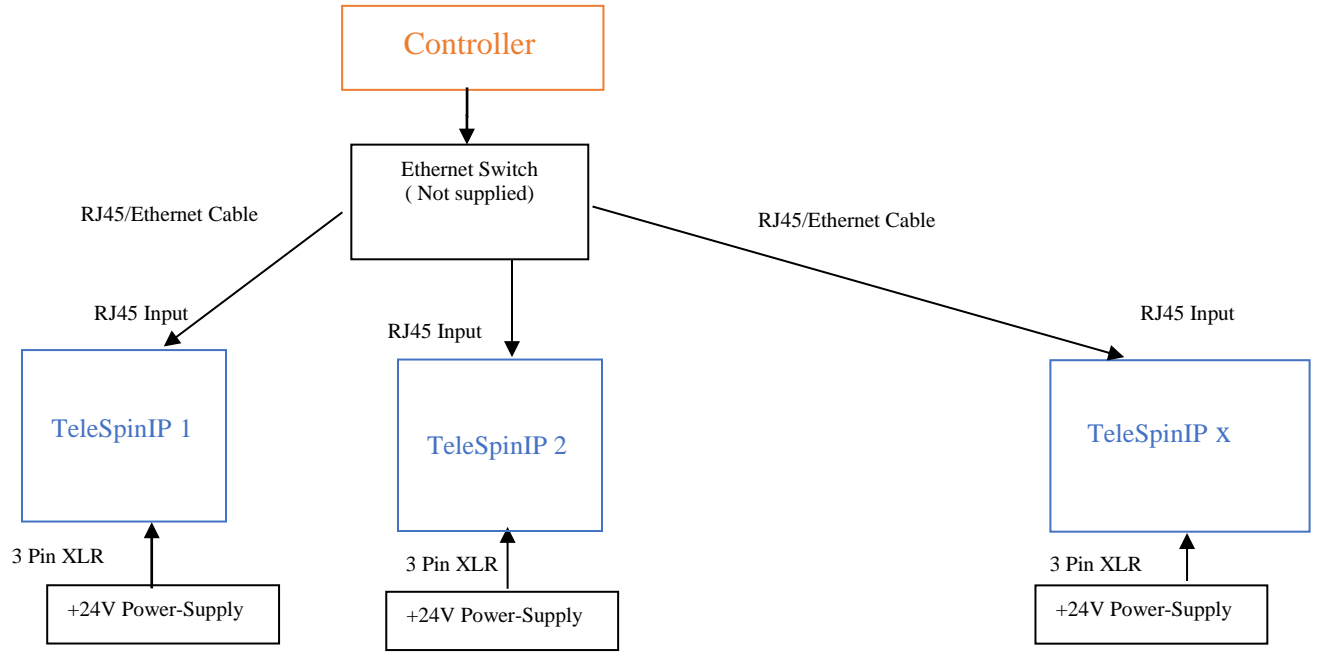


Figure 7: TeleSpinIP Cabling

Configuring the TeleSpinIP for PTZ Camera Controller operation

Overview

The TeleSpinIP supports various VISCA over IP protocols. This permits it to be controlled by almost all professional-grade PTZ camera controllers, including Sony, PTZ Optics, Skaarhoy, BirdDog, Marshal, Lumens and RocoSoft.

A TeleSpinIP must be configured correctly to operate with these various PTZ Camera Controllers. IP settings, IP address, port numbers, transport protocols (UDP or TCP) and the various VISCA protocols can be configured.

There are two methods for configuring the TeleSpinIP:

1. Use the built in **Web-Server**. The default IP address is 192.168.0.100. Type this address into any Web browser (Firefox, Google Chrome ...)

Note:

To use the Web-Server, the LAN of the PC must be configured to be on the same network as the TeleSpinIP

Also, the Web-Server cannot configure the specific type of Controller Protocol, Sony VISCA, VISCA, VISCA Serial The IP Controller app must be used for this

Default IP	192.168.0.100
User Name	admin
Password	admin

2. Download PresenterTek's IP Controller app. Please contact PresenterTek for instructions on where to download this app

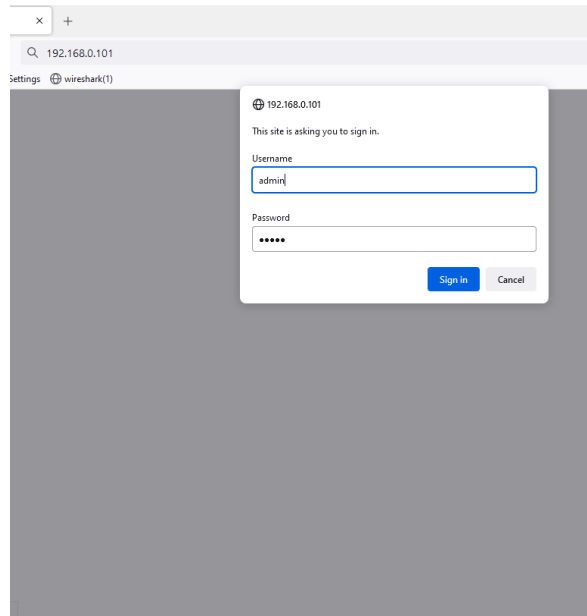
Note:

To use all the features of the PresenterTek's IP Controller app, namely the Controller Protocol and Firmware Version, the LAN of the PC must be configured to be on the same network as the TeleSpinIP

Web-Server Configuration

- a) Power up TeleSpinIP unit: a RJ45 ethernet cable must be connected to PC and the TeleSpinIP, via either direct connection or an ethernet switch.
- b) Enter TeleSpinIP address into any web browser:

Default IP 192.168.0.100



Once the Login page appears, input the following:

User name: admin

Password: admin

After the correct login credentials are inputted, the following should appear:

Web-Server Screenshot, Current Status Tab

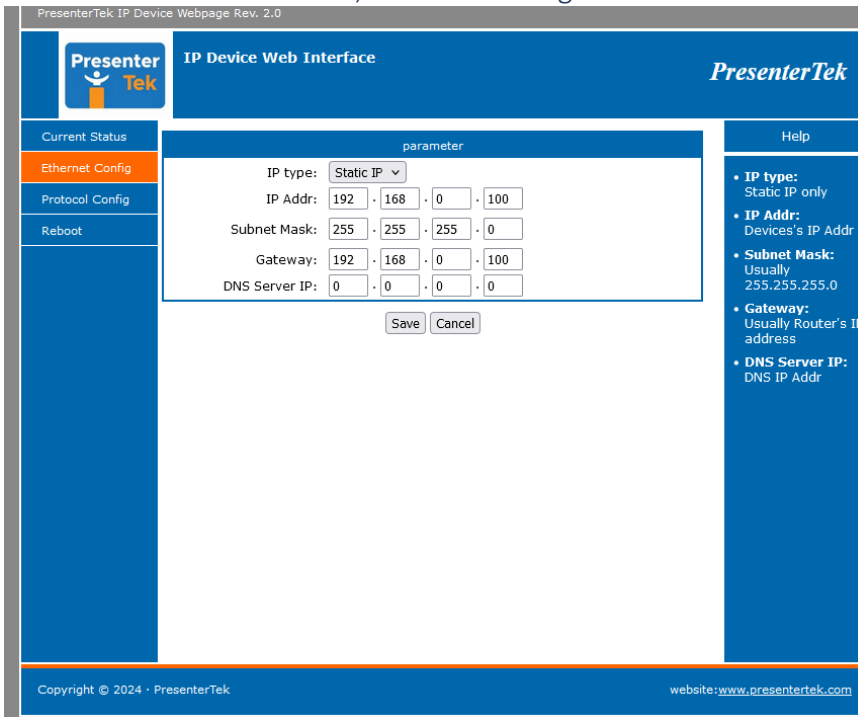
parameter
Device Name: TeleSpinIP
Current IP Address: 192.168.0.100
MAC Address: d4-ad-20-9b-04-71

- **Current IP Address:** Device's IP addr
- **MAC Address:** Machine Address of Device

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To change the modules IP address, Subnet Mask, Gateway or DNS Server, go to the Ethernet Config Tab. The following will appear. After changes are made, click “Save” and then “Restart Module”

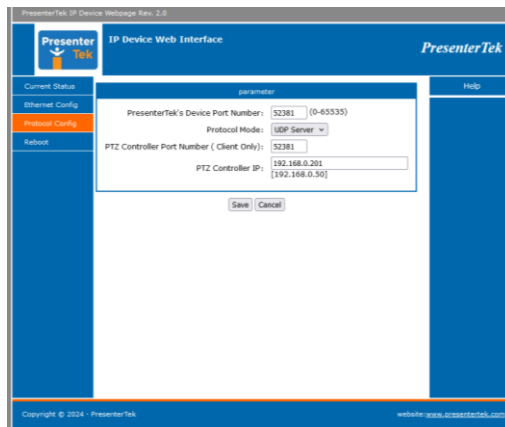
Web-Server Screenshot, Ethernet Config Tab



To change the TeleSpinIP’s port number, Protocol Mode, PTZ camera controller’s port number or PTZ camera controller’s IP address, click to the Protocol Config tab. The following screenshot will appear, and after all changes are made, click “Save” and then “Restart Module”. Restarting the module can take up to 15 seconds.

After the “IOT Device Restarted “page appears, cycle power on the TeleSpinIP.

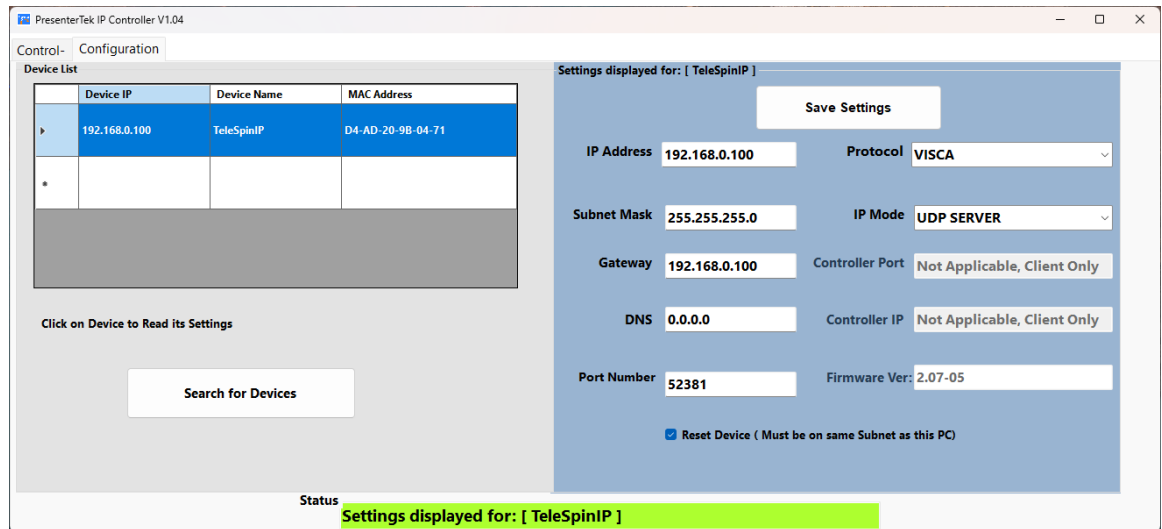
Web-Server Screenshot, Protocol Config Tab



PresenterTek's IP Controller app

- a. Download and install the PresenterTek's Controller app. Contact PresenterTek support for further instructions
- b. Power up TeleSpinIP unit. An ethernet cable must be connected to PC and the TeleSpinIP, either direct connect or via an ethernet switch
- c. Launch app
- d. Select the Configuration Tab

PresenterTek's IP Controller App, Configuration Tab



- e. Click on "Search for Devices"
- f. Select desired Device to configure from the list
- g. Input desired changes on right hand side.
- h. When finished, click "Save Settings". The module will automatically reboot if the "Reset Device" box is checked. This can take up to 5 seconds.
- i. Cycle the power switch on the TeleSpinIP.
- j. To verify correct settings, after TeleSpinIP has rebooted, click "Search For Devices (s)" and then select desired unit

Note:

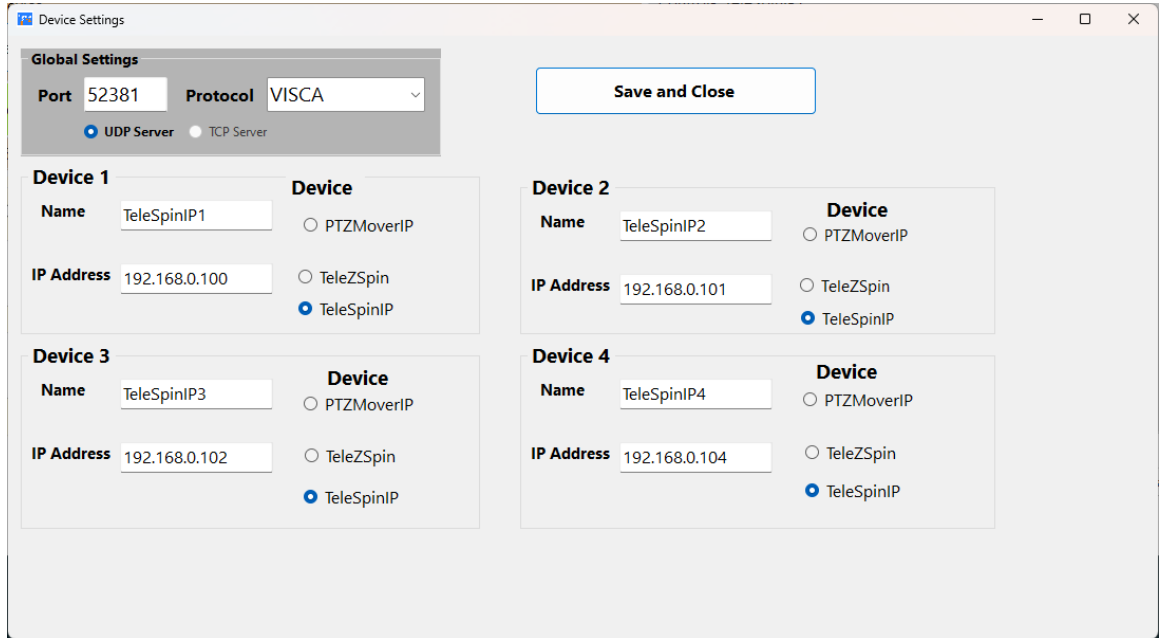
If the PC is not configured to be on the same LAN as the TeleSpinIP, the Controller Protocol and the Firmware Version will not be readable. A Yellow "Connection Error" message will appear in those boxes

PresenterTek's IP Controller App, Control Tab

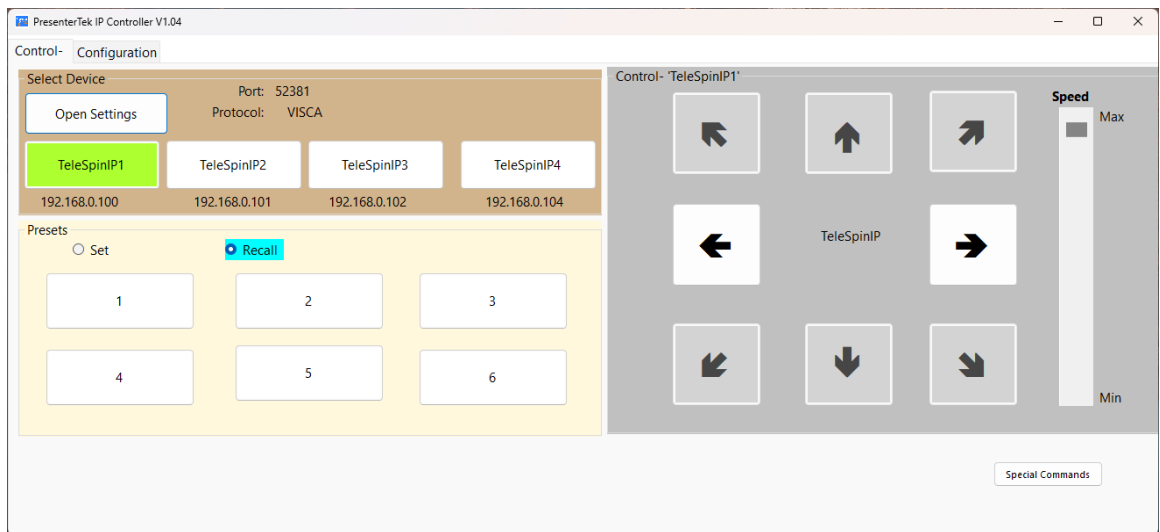
In order to test the TeleSpinIP :

- 1) Select the Control Tab
- 2) Click "Settings"
- 3) Select correct "Port" and IP Address

- 4) Select TeleSpinIP
- 5) Click “Save and Close”



- 6) Control Tab will appear. Pan Left/Right using Toggle Buttons, Select rotational “Speed”, Set and Recall up to 6 Presets positions



Configure for Sony RM-IP500 controller

Overview:

The Sony RM-IP500 uses the Sony VISCA protocol, UDP Server at port 52381. The controller uses an Auto-IP setup to configure all network devices connected. This routine will automatically assign the IP address, Subnet mask and Gateway address based on MAC address of each device.

Either the PresenterTek's IP Controller app or the built in HTML web server can be used to configure the TeleZSpin

Sony RM-IP500 LAN defaults

Below are Sony's RM-IP500 factory default settings. Go to Config->LAN to get the actual settings:

Parameter	Value
IP Address (IP)	192.168.0.10
Subnet Mask (SM)	255.255.255.0
Gateway (GW)	192.168.0.1

TeleSpinIP with Sony Controller settings:

Parameter	Value
IP Address	192.168.0.100(default)
Subnet Mask	255.255.255.0
Gateway	192.168.0.1
Protocol Mode	UDP Server
Controller Protocol:	Sony VISCA
Port	52381

There are two methods to configure the TeleSpinIP to the Sony Controller

- 1) **Method 1:** Auto-IP Configuration
- 2) **Method 2:** Modify the TeleSpinIP's LAN parameters to match an existing camera in the RM-IP500's Camera Table. Not recommended, but will work

Method 1: Auto -IP Step by Step instructions

Overview:

To use the Auto IP setup, the TeleSpinIP's port must be configured to 52380. For normal operation, port 52381 must be used. The TeleSpinIP must also be on the same subnet as the Sony RM-IP500.

Setting up the TeleSpinIP is like setting up any Sony camera. The main difference is the TeleSpinIP port must be manually changed to 52380 for Auto IP Setup. Then, must be manually changed back to 52381. It is important to **reset or cycle power on the** TeleSpinIP after changing the port number.

Resetting the TeleSpinIP can be done using PresenterTek IP Controller app by checking the "Reset" box

- 1) Power up TeleSpinIP stand. Cable as described above. Using a Ethernet hub/switch with both the RM-IP500 and host computer connected to camera(s) prevents from swapping cables.

- 2) Using either the TeleSpinIP built in HTML server or the PresenterTek's IP Controller app.
 - a. Change the TeleSpinIP Port to 52380.
 - b. The TeleSpinIP must be **reset** after changing the Port number. This can be done by either:
 - i. Cycle the power on the TeleSpinIP
 - ii. Make sure the "Reset Device" checkbox in the PresenterTek's IP Controller app is selected and make sure the TeleSpinIP resets
- 3) On the RM-IP500. Auto set the LAN parameters
 - a. Auto IP Setup -> Setup IP->**EXEC** -> Press "Value" knob. "Wait a Few Seconds" will appear.

If "No Cameras Found" message appears, try cycling the power on the TeleSpinIP and try again. Verify that the TeleSpinIP port is 52380
 - b. Confirm Execution -> Confirm -> **YES**, then press "Value" button. "Wait a few Seconds" and then "Complete Done" should appear.
 - c. Use "Cancel" button to back out of menu
- 4) Assigning the TeleSpinIP to the desired Camera Number/Group on the Sony RM-IP500
 - c. Auto IP Setup->Assign CAM
 - d. Select desired Group Num and Camera Num for the TeleSpinIP
 - e. CAM->**EXEC**, "Wait a Few Seconds" will appear
 - f. Scroll down to "KEEP IP" Select "**EXEC**", then press "Value" knob
 - g. Confirm -> Yes. Press "Value" knob. Then "Complete Done" should appear on display
 - h. Hit CANCEL button to exit menu
- 5) To verify, Check the Camera Table on the RM-IP500, "Auto-IP Setup-> Camera Table". The TeleSpinIP should show up. You can verify by checking the MAC address
- 6) Open PresenterTek's Configuration app, or the built in HTML web server, to change port to 52381. on the TeleSpinIP
- 7) Reset or cycle power on the TeleSpinIP

Method 2: Modifying TeleSpinIP to match an existing Camera in the Camera Table

- 1) If a camera does not already exist in the Camera Table, attach a Sony Camera, and run "Auto IP Setup->Setup IP"
- 2) The selected camera, remove from the LAN by either powering off or removing the Ethernet cable
- 3) Examine the Camera Table ("Auto IP Setup ->Setup IP-> Camera Table")
- 4) Select the camera number you wish the TeleSpinIP to assign, note its IP address
- 5) Using either the TeleSpinIP Built in Web-server, or the PresenterTek's IP Controller App, described above, configure the TeleSpinIP as follows.

Parameter	Value	How to Find using Sony Controller
IP Address: (IP:)	Match value in Camera Table	“Auto IP Setup ->Setup IP-> Camera Table”
Subnet Mask: (SM:	Match Sony controller’s	“Config ->LAN”
Gateway (GW:)	Match Sony controller’s	“Config ->LAN”
TeleSpinIP Port	52381	
Protocol Mode	UDP Server	

- 6) To put the Sony PTZ Camera back in the table, connect the camera and use the “Auto IP Setup -> Setup IP”

Operation

The following controls are active with the RM-IP500

- Correct Camera Number/Group that was assigned must be selected
- Left/Pan Right
- Speed knob
- Storing, Recall and moving to Preset positions.
- P/T RST – Re-home both Axes

Note: With the Joystick at max speed (max deflection), there is some run on after the joystick is released. Lowering the Speed will fix this issue.

Configure for Sony’s RM-IP10 PTZ Camera Controller

Sony’s RM-IP Setup application configuration:

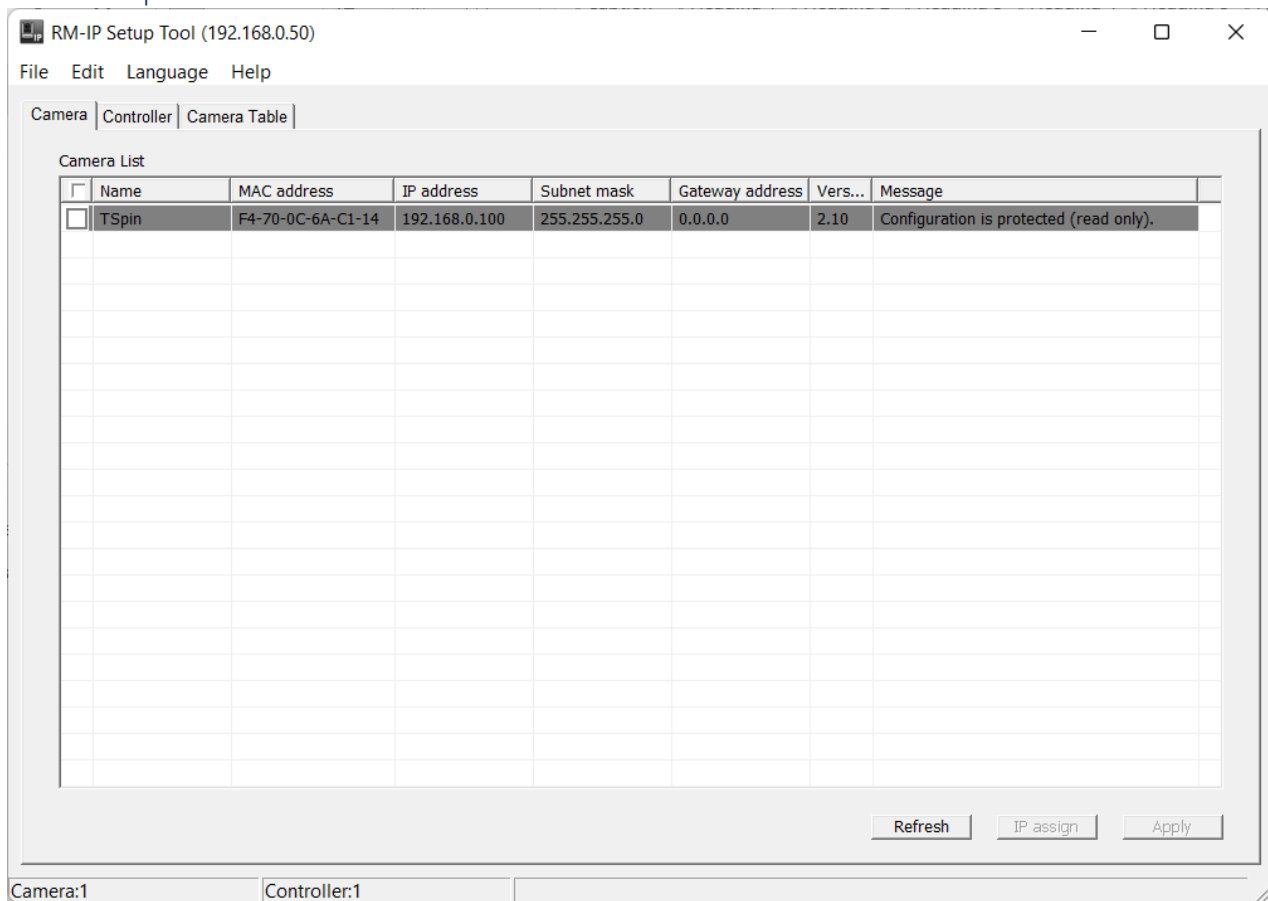
- Power up TeleSpinIP. An ethernet cable must be connected to PC and the TeleSpinIP , either directly connected or via an ethernet switch.
- The TeleSpinIP Protocol Mode must be UDP Server at Port **52380**
- When the port number is changed, the power must be cycled, or the unit reset, on the TeleSpinIP unit.**

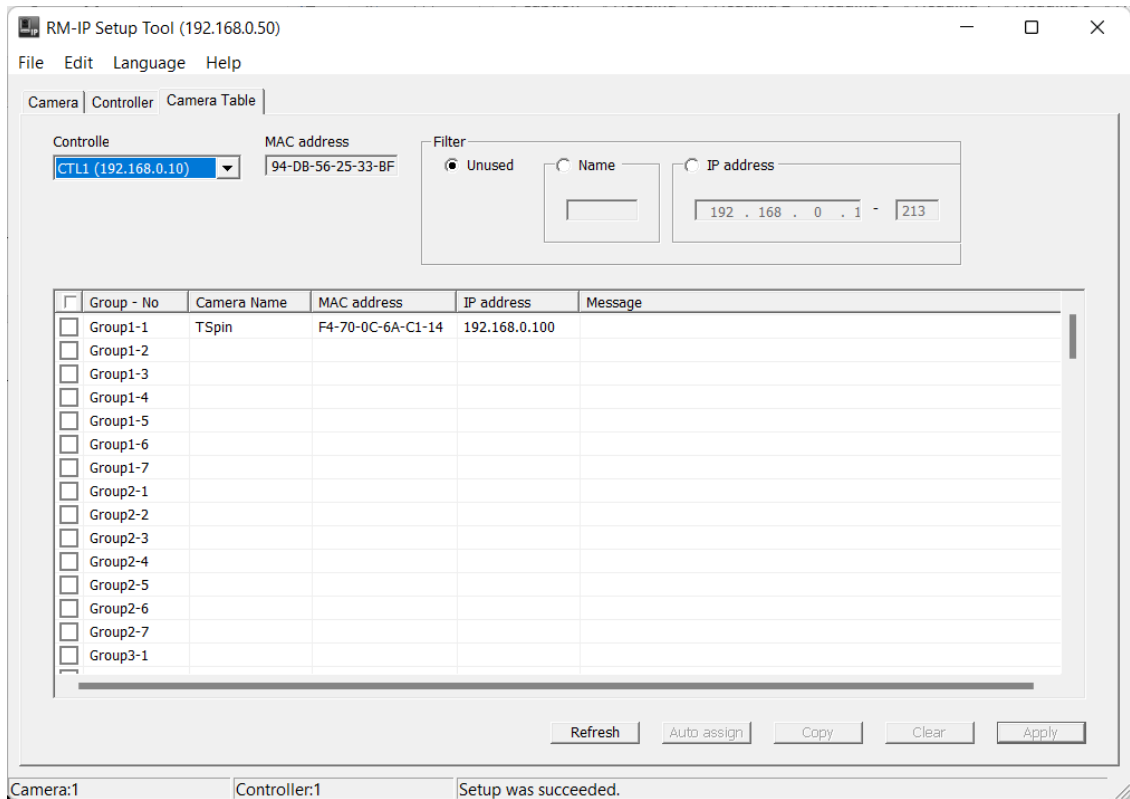
Web Server	
Ethernet Config Tab	
IP Addr:	N/A
Subnet Mask:	Configure for LAN
Gateway	Configure for LAN
DNS Server IP:	N/A
Protocol Config Tab	
PresenterTeks’s Device Port Number	52380

	PTZ Port Controller Number	N/A
	Protocol Mode	UDP Server
	PTZ Controller IP:	N/A
PresenterTek's IP Controller App		
	IP Address	N/A
	Subnet Mask	Configure for LAN
	Gateway	Configure for LAN
	DNS	N/A
	Port Number	52380
	IP Mode	UDP Server
	Protocol	Sony VISCA
	Controller Port	N/A
	Controller IP	N/A

- d) Launch RM-IP app
- e) "TSpin" should appear after approximately 10 seconds on the camera tab. If it does not appear, click "Refresh" button, or go to the Controller tab and back to the Camera Tab.

Sony's RM-IP Setup Tool. Camera Tab and Camera Table Screenshots





After assigning the TeleSpinIP (TSpin) to the Camera Table, ensure the TeleSpinIP is returned to the standard Sony VISCA over IP settings (UDP Server, Port = 52381) as described above prior to using the PTZ controller.

Note:

When the port number for the TeleSpinIP is changed back to **52381**, **the power must be cycled, or the unit Reset,** for it to take effect.

Configure for Bolin/ BirdDog / Lumens/ Marshall PTZ Camera Controllers

The PTZ Controllers can either be configured for Sony VISCA over IP or VISCA Over IP

Note: SuperJoy Default IP is 192.168.100.89

Web Server	
Ethernet Config Tab	
IP Addr:	Must match PTZ controller setting
Subnet Mask:	Configure for LAN
Gateway	Configure for LAN
DNS Server IP:	N/A
Protocol Config Tab	
Device Port Number	52381(Default, but can be changed in the PTZ controller)
PTZ Port Controller Number	N/A
Protocol Mode	UDP Server
PTZ Controller IP:	N/A
IP Controller App	
IP Address	Must match controller setting for the TeleSpinIP
Subnet Mask	Configure for LAN
Gateway	Configure for LAN
DNS	N/A
Port Number	52381or 1259 (Default, but can be changed in the PTZ controller)
Protocol	VISCA = No Header Sony VISCA = Header on Note: BirdDog controllers must use: BirdDog with Header or BirdDog No Header. Must match controller setting
IP Mode	UDP Server
Controller Port	N/A
Controller IP	N/A

Configure for PTZ Optics Windows Controller app

The Windows PTZOptics controller app uses TCP Server at port 5678.

TeleSpinIP must be set to VISCA protocol using the IP Configuration App. In addition, TCP Server and Port 5678 must be selected.

Web Server	
Ethernet Config Tab	
IP Addr:	Must match PTZ controller's setting
Subnet Mask:	Configure for LAN
Gateway	Configure for LAN
DNS Server IP:	N/A
Protocol Config Tab	
PresenterTek's Device Port Number	5678
PTZ Port Controller Number	N/A
Protocol Mode	TCP Server
PTZ Controller IP:	N/A
IP Controller App	
IP Address	Must match PTZ Controller's setting
Subnet Mask	Configure for LAN
Gateway	Configure for LAN
DNS	N/A
Port Number	5678
Protocol Mode	TCP Server
Controller Protocol	VISCA
Controller Port	N/A
Controller IP	N/A

Operation via PTZ Camera Controller

The TeleSpinIP must have a unique IP address will also be assigned to a unique Camera number. Use the PanLeft/PanRight on the Joy Stick for Spin movement. Preset positions, Pan speeds are also configurable using the PTZ Controller.

Note: the PTZ Camera Controller will not operate the TeleSpinIP until the spin axis had been completely initialized after a power cycle.

Demo Mode

If the PTZ Camera Controller has a Backlight button, select the current TeleSpinIP . The Backlight button will toggle a demo mode operation.

Firmware Upgrade Procedure

The firmware can be upgraded using a Windows PC app. Please contact customer support for the app and the necessary upgrade files

1. Install PresenterTek's Bootloader app by double clicking Setup.exe or msi.exe and following the instructions
2. Install PresenterTek's IP Controller app by double clicking Setup.exe and following the instructions. This is not necessary if you already know the TeleSpinIP IP address and Subnet mask
3. Connect an ethernet cable from the PC to the TeleSpinIP.

Note:

Disconnect any PTZ Camera controller or any other device that may attempt to communicate with the TeleSpinIP .

No other devices can communicate with the TeleSpinIP during the firmware upgrade process. Disconnect any PTZ Camera controller. A direct connection from the PC to the TeleSpinIP is recommended

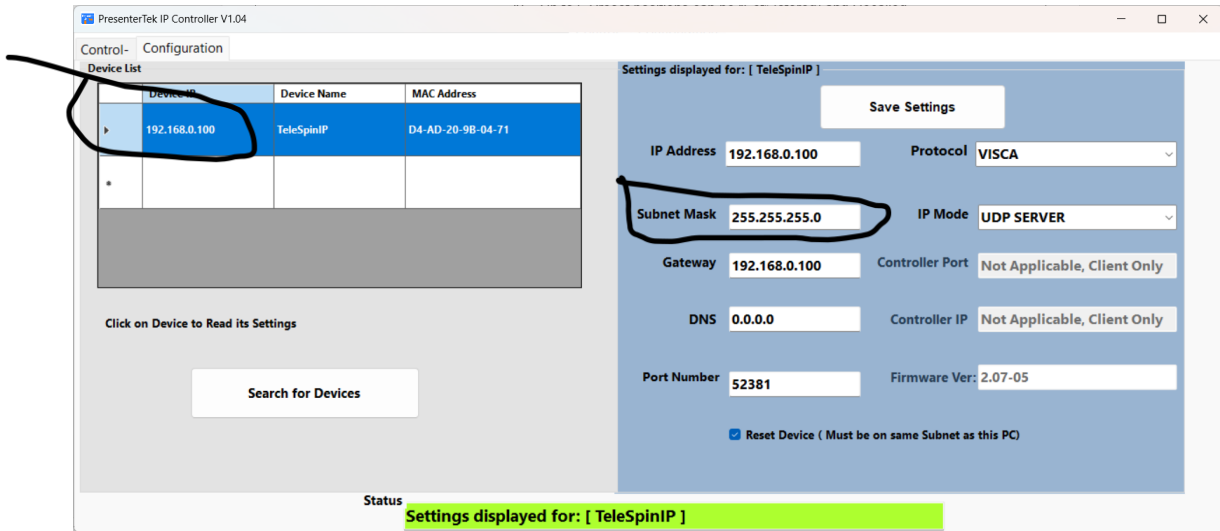
4. Ensure that the PC is on the same local network as the TeleSpinIP.
With Windows 10 Settings -> Network & internet->LAN-Properties

Using the IP Controller app.

TeleSpinIP

IP = 192.168.0.100

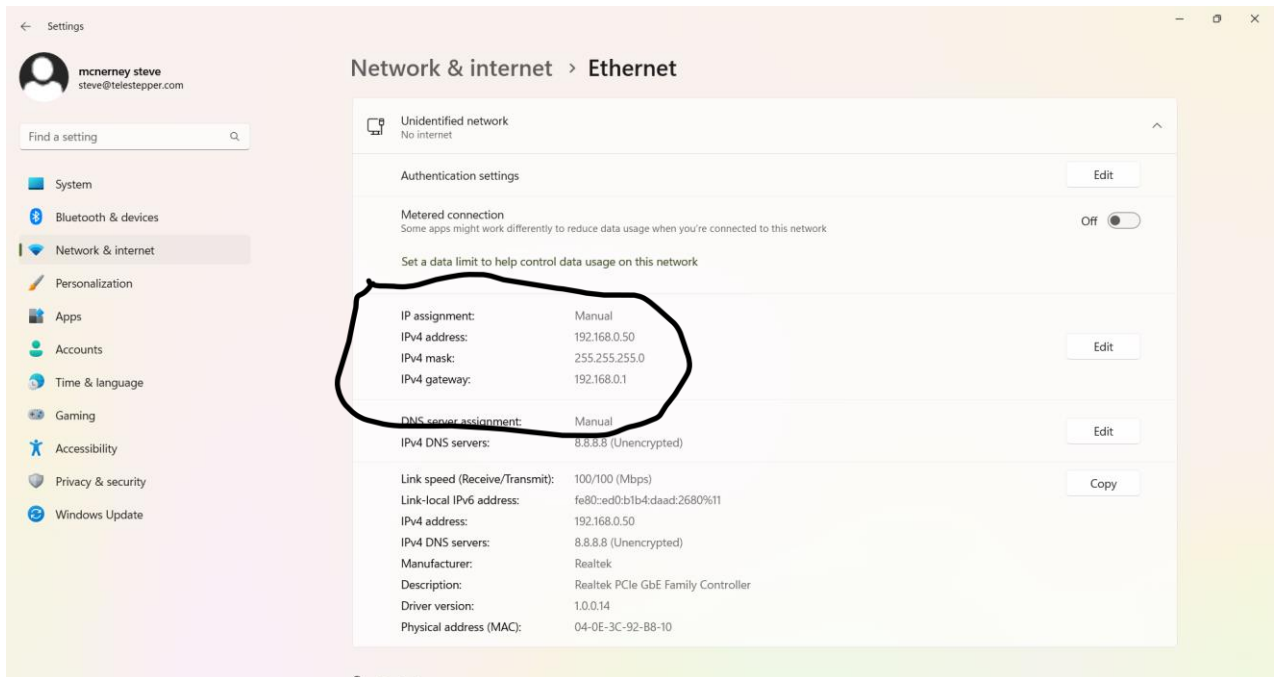
Subnet mask = 255.255.255.0



With Windows 10 Settings -> Network & internet->LAN-Properties

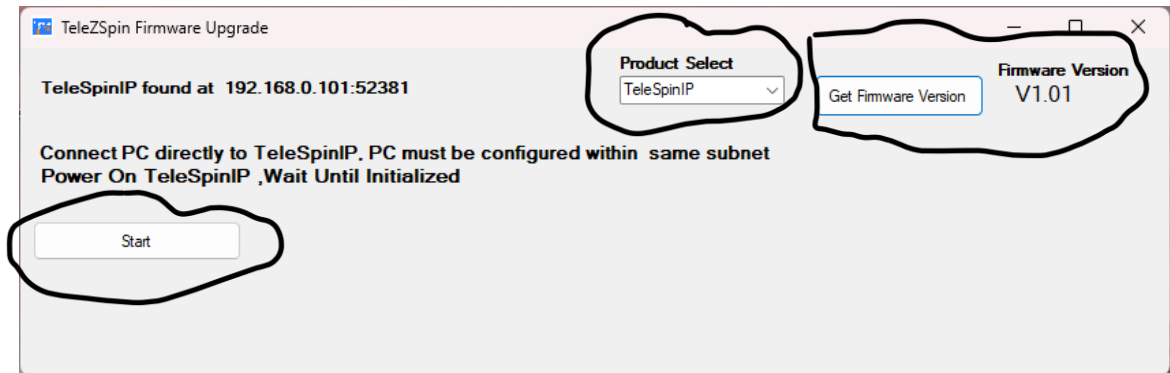
PC

IP = 192.168.0.50
Subnet mask = 255.255.255.0

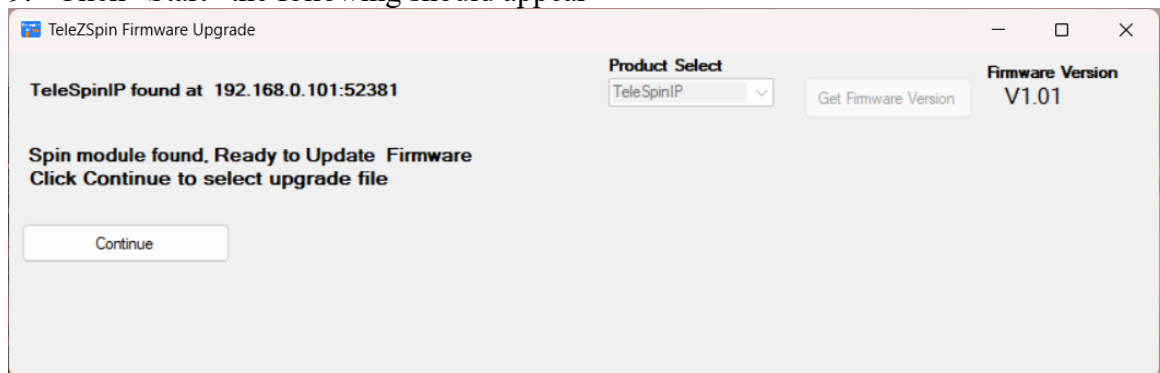


Note how the PC's IP address and Subnet mask are on the same LAN as the TeleSpinIP . The IP assignment must be set to Manual (or Static IP). Not DHCP

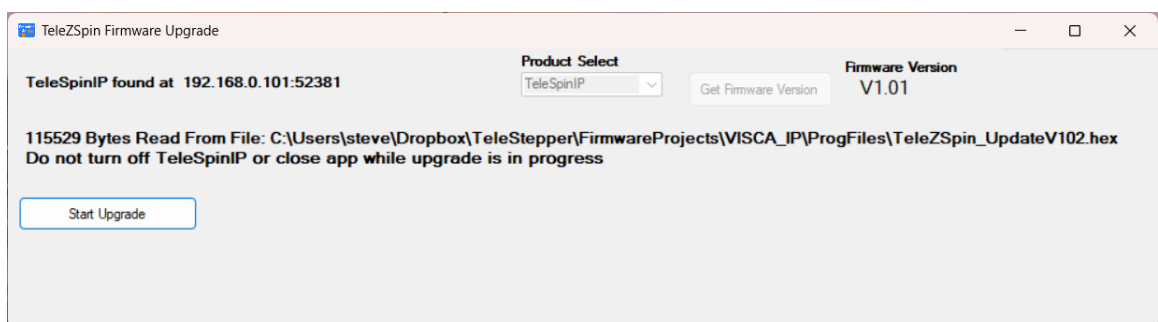
5. Power up TeleSpinIP and wait until initialized. That is, the spin axis is idle
6. Launch Bootloader App
7. Ensure that Product Select is set correctly to TeleSpinIP
8. Click “Get Firmware Version” If a Firmware Version is displayed.
The PC is correctly connected to the TeleSpinIP



9. Click “Start” the following should appear



10. Click “Continue” and select correct update file, upgrade file will be supplied by PresenterTek. The firmware upgrade file name will be in the format “TeleSpin_UpdateVXXX.hex”

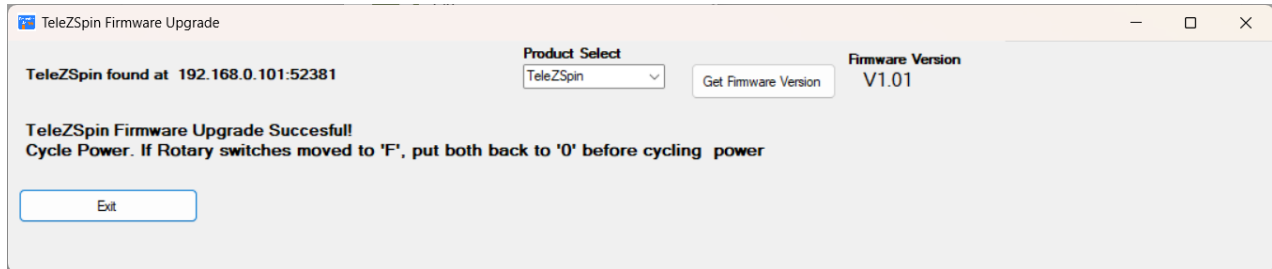


11. Click “Start Upgrade”
12. Wait until Firmware upgrade is complete

Note:

Do not interrupt the Firmware upgrade process by closing the app, removing the ethernet cable or powering off the TeleSpinIP. This may corrupt the firmware and require a corrupted firmware upgrade procedure. Please contact technical support if this occurs

13. If all goes well, the following should appear:



14. Click “Exit”, Cycle the power on the TeleSpinIP. To verify, relaunch the BootLoader app and check that the firmware version is correct

TeleSpinIP Dimensions

