

RoboSHOT (Cat-5) Version 2.1.2

Release Notes – November 8, 2016

Affected firmware

Component	Version
System	2.1.2

Additions and Enhancements

Version 2.1.2 is an internal update to assist in production requirements.

Known Issues

At this time there are no known issues with this release.

Interoperability

RoboSHOT Cat-5, USB, HDMI, and HD-SDI cameras using version 2.1.0 or newer firmware can be used with RoboTRAK Presenter Tracking Systems.

Backward Compatibility

No backward compatibility issues have been found in testing.

Browser Support

We have tested this product with these web browsers:

- Chrome®
- Firefox®
- Microsoft® Internet Explorer®
- Safari®
- Microsoft® Edge

We test using the browser version available from the vendor at that time. Older versions of these browsers are likely to work, and other browsers may also work.

Firmware Update Instructions

Follow these steps to update your camera's firmware.

Download the Firmware Update

Locate the link to download the firmware update from the website (RoboSHOT 12/30 Firmware Update 2.1.2, under the Software Updates heading), and click it. The file that downloads to your computer is `roboshot-web-update-complete-2.1.2.p7m`.

Get the Camera's IP Address

Press the Data Screen button on the remote. Within 3 seconds, the room display presents the camera's IP address and MAC address. Press the Data Screen button again to dismiss the information.

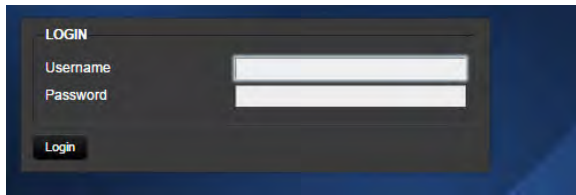
Access the System Screen in the Web Interface

If you aren't already on the camera's System screen, here's how to get there.

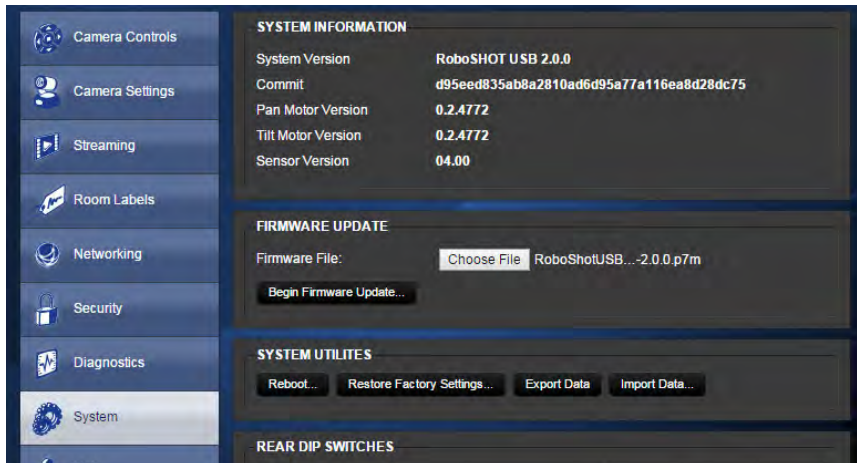
Note

Your camera's web interface will look slightly different.

1. Open a browser or a new browser tab.
2. Enter the camera's IP address in the address bar. Either a login screen or a guest access screen opens.
3. If the login screen opens, log in with the username **admin** and the admin password.
If the guest access screen opens, click Admin. Then enter the admin password in the login box.



4. Click System from the navigation bar to go to the System screen.



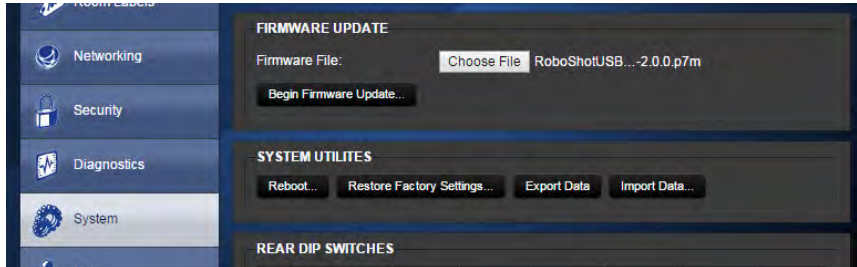
Update the Firmware

Note

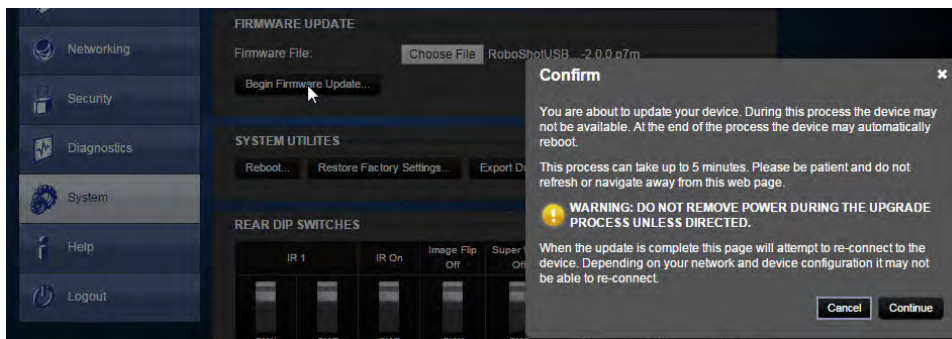
Your camera's web interface will look slightly different.

1. Click Choose File, browse to the firmware update file that you downloaded, and select it. The filename ends with .p7m.

The screen then displays the filename beside the Choose File button.



2. OPTIONAL: Click Export Data to save a copy of the camera's current configuration. You probably won't need it, but it could save time if you need to roll back the update.
3. Click Begin Firmware Update. A confirmation dialog box opens.
4. Please READ the information in the dialog box and be sure you understand it. It's boring, but it could save you a lot of time and aggravation.



5. When you are ready to start the update, click Continue. A progress message box opens and the indicator light on the front of the camera turns yellow to show the firmware update is in progress. The process may take a few minutes.
6. If the update process presents warnings or error messages, read them carefully.

When the update is complete, the camera restarts. This logs you out of the web interface.

Contact Vaddio technical support if you encounter any problems with the update.

Caution

Do not remove power or reset the camera while the indicator is yellow, showing a firmware update in progress. Interrupting a firmware update can make the camera unusable.

Firmware Release History: RoboSHOT (Cat-5) Version 2.1.0/2.1.1

Release Notes – September 28, 2016

Affected firmware

Component	Version
System	2.1.1

Except where noted, these changes were made in version 2.1.0 and initially released in version 2.1.1.

Additions and Enhancements

- The RoboSHOT 12 and 30 cameras have been updated to work with RoboTRAK.
- Version 2.1.1 includes changes to improve camera testing and performance.

Fixed Issues

- Cameras now reach the full 90° upward tilt stated in the technical specifications.
- In some cases, turning the video output resolution switch, pausing momentarily, and turning it again could cause errors. This has been fixed.
- In some cases, the camera could continue to respond to joystick movements from a camera controller while going into standby mode. This could result in the camera standing by in an unexpected position. This has been fixed. The camera moves to the standby position and does not process any commands during the standby sequence.
- In some cases, custom home presets were not retained properly through firmware updates. This has been fixed.
- The `ccu scene store` command now works as documented.

Known Issues

At this time there are no known issues with this release.

Interoperability

RoboSHOT Cat-5, USB, HDMI, and HD-SDI cameras using version 2.1.0 or newer firmware can be used with RoboTRAK Presenter Tracking Systems.

Backward Compatibility

No backward compatibility issues have been found in testing.

Browser Support

We have tested this product with these web browsers:

- Chrome®
- Firefox®
- Microsoft® Internet Explorer®
- Safari®
- Microsoft® Edge

We test using the browser version available from the vendor at that time. Older versions of these browsers are likely to work, and other browsers may also work.

Firmware Release History: RoboSHOT (Cat-5) Version 2.0.2

Release Notes – May 19, 2016

Affected firmware

Component	Version
System	2.0.2

Fixed Issues

In some installations where RoboSHOT cameras were connected to an AV Bridge MATRIX PRO, occasionally camera or video errors occurred, sometimes in connection with RS-232 camera control issues. Performance has been improved, but requires the MATRIX PRO to be at 1.0.4 and all connected cameras to be at the related version (2.0.2 for RoboSHOT / RoboSHOT HDMI, 2.0.1 for RoboSHOT USB / RoboSHOT HD-SDI).

Known Issues

In installations where RoboSHOT cameras are connected to an AV Bridge MATRIX PRO, flooding the MATRIX PRO with large numbers of camera commands in a very short time – for example, when sending numerous commands via Telnet or web interface – occasionally causes the attached cameras' tally indications stop functioning properly. When this happens, the diagnostic log shows errors stating that the tally command is not executable.

Backward Compatibility

No backward compatibility issues have been found in testing.

Browser Support

We have tested this product with these web browsers:

- Chrome®
- Firefox®
- Microsoft® Internet Explorer®
- Safari®
- Microsoft® Edge

We test using the browser version available from the vendor at that time. Older versions of these browsers are likely to work, and other browsers may also work.

Firmware Release History: RoboSHOT (Cat-5) 12 and 30 Version 2.0.1

Release Notes – January 27, 2016

Affected firmware

Component	Version
System	RoboSHOT 2.0.1
Pan Motor Version	0.2.4772
Tilt Motor Version	0.2.4772
Sensor Version	2.00 or 4.00

Fixed Issues

In RoboSHOT 2.0.0 release IR Forwarding was not correct. This has been resolved.

Known Issues

At this time there are no known issues with this release.

Backward Compatibility

No backwards compatibility issues have been found in testing. For users who wish to downgrade firmware (installing a previous version than what is currently on the camera) Vaddio recommends performing a factory reset on the camera. This is not necessary if installing a newer version of firmware.

Browser Support

We have tested this product with these web browsers:

- Chrome®
- Firefox®
- Microsoft® Internet Explorer®
- Safari®
- Microsoft® Edge

Firmware Release History: RoboSHOT (Cat-5) 12 and 30 Version 2.0.0

Release Notes – January 15, 2016

Affected firmware

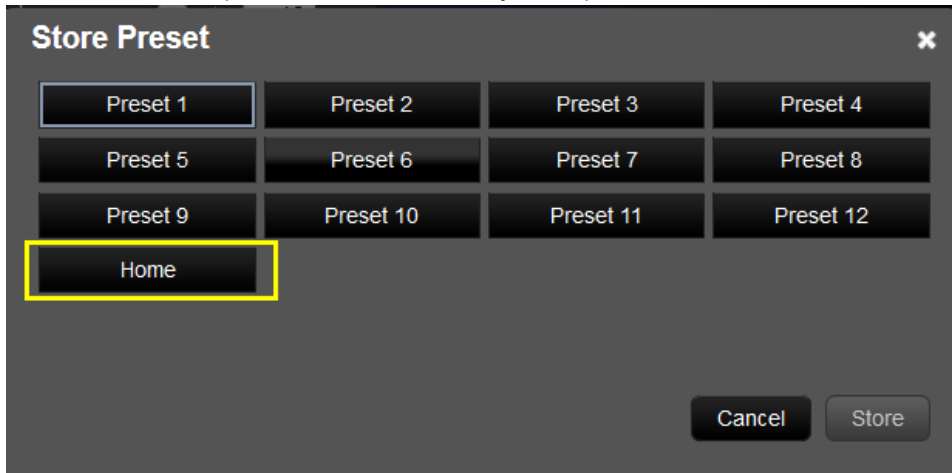
Component	Version
System	RoboSHOT 2.0.0
Pan Motor Version	0.2.4772
Tilt Motor Version	0.2.4772
Sensor Version	2.00 or 4.00

Additions and Enhancements

- Added real-time IP-based control for the PCC Premier.
- Added ability to import/export configurations for camera settings. This feature will only work when importing to the same firmware version as the exported file.
- Addition of two Telnet Commands for focus mode and standby state inquiry. Commands are as follows:
 - camera focus mode get
 - camera standby get
- Visual indication on Web UI of unsaved parameter which requires saving:

The screenshot displays the 'NETWORK CONFIGURATION' web interface. At the top, the 'Hostname' is set to 'vaddio-roboshot-uhd-D8-80-39-62-26-52'. Below this, the 'NETWORK INTERFACES' section is active, showing 'Ethernet Port (eth0:WAN)'. Under 'IP Address', the 'Static' radio button is selected. The 'MAC Address' is 'D8:80:39:62:26:52'. The 'IP Address' is '10.10.100.170', 'Subnet Mask' is '255.255.255.0', and 'Gateway' is '10.10.100.254'. At the bottom left are 'Cancel' and 'Save' buttons. At the bottom right, an 'Unsaved' button is highlighted with a yellow border, indicating that changes have been made but not saved.

- Removed Default Start UP Location Preset and CCU Scene, replacing with the ability to set a custom home. This custom home preset can be set like any other preset.



Backward Compatibility

No backwards compatibility issues have been found in testing. For users who wish to downgrade firmware (installing a previous version than what is currently on the camera) Vaddio recommends performing a factory reset on the camera. This is not necessary if installing a newer version of firmware.

Browser Support

We have tested this product with these web browsers:

- Chrome®
- Firefox®
- Microsoft® Internet Explorer®
- Safari®

Firmware Release History: RoboSHOT (Cat-5) 12 and 30 Version 1.1.0

Release Notes – August 15, 2015

Affected firmware

Component	Version
System	RoboSHOT 1.1.0
Pan Motor Version	0.2.4772
Tilt Motor Version	0.2.4772
Sensor Version	2.00 or 4.00

Additions and Enhancements

- USB gamepad support has been added. See the [Application Note](#) for more information.
- Pan/Tilt/Zoom axis inversion to fully support inverted operation.



- Custom Text Labels – for added clarity, users can now define custom labels for location presets by right-clicking on a stored preset.



- New Motor Calibration Settings – minimizes issues when booting RoboSHOT 30s while inverted.
- Increased web session timeout from 10 to 30 minutes – gives users more flexibility when configuring or operating RoboSHOT via Web UI.
- Adjusted iris gain values – range of acceptable Iris Gain values is now 0-11. Previously it was 0-15.

Fixed Issues

- API Commands for Red_Gain and Blue_Gain had incorrect help text. This has been fixed.
- Factory CCU scenes were not in the same order in telnet as on Web UI. This has been fixed.

Known Issues

When recalling a tri-sync preset stored with CCU Scene information ProductionVIEW Controllers and Switchers can incorrectly report Auto White Balance and Auto Iris status, this will be addressed in an upcoming ProductionVIEW Controller release, along with additional enhancements.

Backward Compatibility

If a user has stored any CCU scenes or presets with CCU information with an iris gain value greater than 11, recalling these under RoboSHOT 1.1.0 will show an error in the UI. The scene or preset will still be recalled, minus the iris gain value. The scene or preset will need to be resaved with a valid iris gain value (0-11) to get rid of this error message.

Interoperability

Same as previous release:

The following quick connect and joy stick controllers must be on the listed, or newer, versions of firmware for RoboSHOT Cat 5 compatibility.

Product Category	Product	Firmware Version
Quick-Connects	QCCU	1.1.15
	QC-USB	1.2.1
	QC-USB Mini	1.2.1
Controllers	ProductionVIEW Precision Camera Controller	2.00.12
	ProductionVIEW HD	2.00.10
	ProductionVIEW HD MV	1.00.16
	ProductionVIEW HD-SDI	2.00.12
	ProductionView HD-SDI MV	1.00.10

Browser Compatibility

Unless otherwise noted, Vaddio products are tested for compatibility with the current version of these browsers:

- Chrome®
- Firefox®
- Internet Explorer® (versions 8 through 11)
- Safari ® (versions 6 and 7)

Firmware Release History: RoboSHOT 12 and 30 Version 1.0.1

Affected firmware

Component	Version
System	1.0.1
Pan Motor	0.2.4472
Tilt Motor	0.2.4472
Sensor	02.00

Fixed Issues

- **Color Setting** – Modified default color setting on the camera.
- **Factory Test** – Added function to execute burn-in test for manufacturing from the dip switches.
- **Host Name Change** – Changed the default Ethernet Hostname to RoboShot.
- **CCU Tally** – Added response command for CCU Tally to notify Vaddio Controllers.
- **RoboSHOT Preset Operations with Vaddio Controllers** – Corrected problem when running an un-programmed “in camera” preset from any of the Vaddio Controllers that cause excessive delay.

Known Issues

- **Tri-Sync preset operations** – Some tri-sync presets may not have simultaneous arrival time of pan, tilt and zoom because of limitation with zoom lens motor. For example, a tri-sync preset with minimal pan/tilt position change and maximum zoom change will result in zoom movement completing after arrival time of the pan/tilt position.
- **No manual focus control from web pages** – The RoboSHOT camera control page does not currently support manual focus function. This is supported from Visca or Telnet API. Manual focus will be added to web pages in future release.
- **Saving presets with current image settings** – The RoboSHOT provides an option to store image settings with a preset. The image settings will be applied after the camera reaches the preset position. However, the modified image settings will not be sent out to RS-232 or Telnet communication ports. This could result in external control devices (Crestron or External CCU) having image setting “out of sync” with current configuration of the camera.
- **Rapidly toggling power button on IR remote** – The power button on the IR remote places the camera in a standby condition that includes muting the video. There is a potential for the video mute to get in incorrect state if power button is rapidly toggled before the camera has been fully initialized. This can result in the camera being in standby operation and video not muted. If this occurs, it can be recovered by transitioning from standby to the operational state again.
- **Web page time out** – The RoboSHOT web pages have a 10-minute timeout that will stop the session based upon user activity. After a software update or factory reset, if the user does not log-on to the web pages within 10-minutes they will be required to refresh the browser before entering the password.
- **Long Tri-Sync presets** – The user may get a timeout message on the web pages when an extremely long preset is executing and they are trying to change other camera settings. The user can clear the message and then make changes after preset is completed.
- **CCU changes from web pages** – Any CCU changes from the web pages will not automatically be sent to RS-232 or Telnet communications port. External control devices will need to poll the camera for current CCU properties if settings are changed from the web pages.
- **Telnet API** – The RoboSHOT 12 and RoboSHOT 30 have different range values associated with manual iris. Iris range on RoboSHOT 12 is 11. Iris range on RoboSHOT 30 is 13. The iris command in the Telnet API does distinguish between these range differences and will result in error response if value is outside defined range.

Interoperability Testing and Findings

RoboSHOT Compatibility Table

Product Category	Product Name	Firmware Version
Quick-Connects	Quick-Connect SR	
	Quick-Connect DVI/HDMI	
	Quick-Connect USB	1.2.1
	Quick-Connect USB Mini	1.1.1
	Quick-Connect Universal CCU	01.01.05
Controllers	ProductionVIEW Precision Camera Controller	
	ProductionVIEW HD	
	ProductionVIEW HD MV	
	ProductionVIEW HD-SDI	
	ProductionVIEW HD-SDI MV	

Backward Compatibility

Yes.

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