

Codonics Horizon Operating Software

Version 4.4.2 Release Notes

Summary

Horizon® 4.4.2 software provides various security improvements.

Products Affected

GS/G2/G1 Imagers containing newer hardware identified by the serial number prefix 150C are affected. Please contact your Codonics representative for further information.

The Imager Software Version can be determined using the Control Panel by viewing the Imager Info screen from the Utilities menu.

NOTE: Horizon Imagers with serial number prefix 150C cannot be downgraded to any previous software version below 4.0.0. Imagers with a serial number prefix other than 150C cannot have their software upgraded to 4.0.0.

NOTE: Horizon Imagers upgraded to Version 4.4.2 software cannot be downgraded to any previous version.

Product Improvements (Perfective Updates)

- ◆ **Network Firewall Improvements.** The Network Firewall has been improved to allow better control of network ports for multiple network services. Firewall options can be changed from the Control Panel at any time.

The Service menu (Right Arrow + Menu) -> Network -> Firewall menu option is no longer just a single Enabled/Disabled option, it is now a full menu with additional options:

Parameter: **Firewall Status**
Settings: **Enabled/Disabled**
Default: **Enabled**
Description: Enables/Disables the firewall. When disabled, network ports for all network services will be Allowed (open).

Parameter: **DICOM port number**
Settings: **100 - 32767**
Default: **104**
Description: Port number to use for DICOM connections.
Note: requires a reboot if changed

Parameter: **Settings for individual network services: DICOM, FTP, HTTP, LPR (Postscript), Samba (Windows file sharing), SSH, Telnet**

Settings: **Allow** - Allows network port for the network service through the firewall. (port open)
Deny - Do not allow network port for the network service through the firewall. (port closed)
TmpAllow1 - Allow temporarily. If the service is used within 30 days, the setting will be automatically changed to Allow. Otherwise, after 30 days the setting will be automatically changed to Deny.
TmpAllow2 - Allow temporarily. After 5 days, the setting will be automatically changed to Deny.

Default: **TmpAllow1**
Description: Whether to Allow, Deny, or Temporarily Allow network port for the network service through the firewall.

- ◆ **Telnet.** Improved the security of the Telnet remote interface to the imager. If there is any compatibility issue using Telnet, contact Codonics Technical Support for assistance.
- ◆ **SSH and Service Shell.** Added SSH as a remote interface to the imager. When logging in over SSH as the "service" user, you are presented with a Service Shell, which allows running a limited set of commands. Type "help" to show the commands that can be run from the Service Shell.
- ◆ **New Control Panel message "Media not allowed" when the imager has disabled certain cassettes from being used.** If this message appears, the cassette has a Media ID that is not allowed. Contact Technical Support for assistance.

Known Common Issues

- ◆ Previous issues can be found in previous Release Notes.

Known Uncommon Issues

- ◆ The first time a user upgrades to 4.4.2 software the install takes longer (about 8 minutes) because new firmware is being loaded. If power is lost or the imager is rockered off during this process, it will result in an unusable imager. Attempts to reinstall 4.4.2 software will not be successful like in previous versions of software. A warning message is displayed on the Control Panel during the initial software upgrade saying not to power off for 10 minutes.

NOTE: In the unlikely event that power loss occurs and the imager has become unusable, contact Codonics Technical Support for assistance.

Technical Support

If problems occur during software installation, please contact Codonics Technical Support at any time.

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Get it all with just one call
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