

# Codonics Horizon Operating Software

**Technical Brief**

## Version 4.0.1 Release Notes

### Summary

Horizon<sup>®</sup> 4.0.1 software provides support for external film calibration and Media ID improvements.

### Products Affected

GS/G2/G1 Imagers containing newer hardware identified by the serial number prefix 150C. 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.

### Product Improvements

- ◆ **Calibrating Film.** The newer versions of the imager do not support internal film calibration. A manual method of cassette film calibration was developed. Per-cassette calibration is required due to variations between film lots and to account for sensitometry variations due to storage duration, storage conditions and variations between cassettes from the same lot. From the front panel, under the Utilities menu, a user can now print a film calibration test image. This allows the user to manually determine the calibration value, and instructs them how to enter that value into the control panel for a film cassette.
- ◆ **Media ID.** Horizon 4.0.1 software includes a workaround for a hardware issue that can sometimes result in an "Attach Media ID" message on the front panel display. It also has multiple changes to maximize Media ID sensor performance under wide-ranging environments in the field.
- ◆ **Picker Carriage Position.** The picker carriage position for each media input slot is set at the factory. With the current software this position may drift, leading to poor media picking results. Horizon 4.0.1 software eliminates this drift and includes an optimized setting for best picking performance.

- ◆ Added Media ID firmware version to Imager Info menu.

### Defects Corrected

- ◆ Software now starts correctly following the deletion of a feature key.
- ◆ Changing network speed no longer sends the system into an infinite reboot cycle.

### Known Uncommon Issues

- ◆ Captions are not supported with DICOM landscape printing.
- ◆ Attempts to print images with unsupported DICOM image compression results in an "out of memory" error at the host.
- ◆ **PostScript cropping or padding.** Images pre-scaled to the full page size may experience slight cropping or padding due to rounding effects from converting between points and pixels.
- ◆ **SA-1000/2000 Frame Grabber incompatibility.** Horizon Version 4.x.x software has an incompatibility with the SA-1000/2000 product that results in slow transmission time.
- ◆ **Illumination and Reflected Light values are incorrect on the Imager Status test print.** The values printed on the Imager Status print page are 100 times the actual settings. The values displayed on the Control Panel are correct.
- ◆ **Calibration print jobs do not purge.** Removing Print Length Calibration or Film Calibration print jobs from the queue will occasionally result in a Control Panel message that there are sheets queued. Power-cycling the imager will clear these jobs.

### Technical Support

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

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Website: www.codonics.com

*Get it all with just one call*  
**800.444.1198**

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