

SeeSnake® CS10™



Printed in U.S.A.
August 2011

742-042-612-0A-P3
English: Rev G

⚠ WARNING!

Read the safety information in the beginning of the CS10 Operator's Manual carefully before using the CS10. Failure to understand and follow the contents of the safety sections may result in electrical shock, fire, property damage, and/or serious personal injury.

Start Here

This CS10 Quick Start Guide provides an overview of function and operation. For more details, see the Operator's Manual that accompanies the CS10.

CS10 Components



Step 1

Powering the CS10

The CS10 can either be powered with one or two Li-Ion rechargeable batteries or with the external power cord. To reduce the risk of electrical shock, use battery power as the preferred powering method.

Operating Instructions

1. Tilt the CS10 back slightly and pull forward on the tilt stand until it locks in place.
2. Raise the front cover by depressing the orange cover release buttons on each side of the unit and lift up on the cover until it locks securely into place.
3. Insert at least one battery into the CS10 battery dock or plug the external power cord into a standard outlet.
4. Connect the CS10 to a SeeSnake camera inspection system.
5. Press the Power Key  to turn ON the CS10 and the camera.
6. If desired, press and hold the Zero Key  to zero the counter.
7. Push the camera head through the line. Proceed with pipe inspection in accordance with the SeeSnake Reel's operator's manual.

USB Port

Insert a thumb drive into the USB port to store images and video captured by the CS10. The CS10 cannot capture video, Autolog video, or photos until a thumb drive is inserted into the USB port. The USB LED will be ON steadily when ready for use.

Step 3

Reviewing Images and Video

To review the files stored on the USB thumb drive, access the Media List from the Job Manager screen . In the Media List use the Arrow Keys  and the Select Key  to select media files. Alternatively, access the Job Manager screen from the Main Menu .

Use the Right and Left Arrow Keys  to fast forward and rewind video and Autolog recordings.

Locating the Camera Using the Sonde

If using a SeeSnake pipe inspection system with a built-in Sonde, detect the camera's location underground by using a locator such as the RIDGID SR-20, SR-60, Scout™ or NaviTrack® II.

1. Press the Sonde Key  on the CS10 to turn the Sonde ON and OFF.
2. Run the SeeSnake push cable from 5 ft to 10 ft [1.5 m to 3 m] into the pipe.
3. Use the locator to find the Sonde's position by setting it to Sonde mode and by scanning in the direction of the Sonde's probable location until the locator detects the Sonde.
4. If desired, extend the SeeSnake push cable further down-pipe and locate the Sonde again starting from the previous located position.
5. Once you have detected the Sonde, use the locator indications to zero in on its location precisely. For detailed instructions on Sonde locating, consult the operator's manual for the locator model you are using.

Step 2

Jobs

The CS10 automatically saves photos, videos, and Autolog videos to the latest Job on the thumb drive. The CS10 will open a new Job if there is not already one on the thumb drive. The CS10 will save media files to a new session on the thumb drive when the thumb drive is ejected and when the CS10 shuts down.

Recording Autolog Video

Autolog video captures a highly compressed video of an inspection, but uses a smaller file size than standard video. Press the Autolog Key  to start and stop recording an Autolog video. The Autolog LED will be lit during Autolog recording.

Press the Microphone Mute Key  to turn OFF the microphone and to record Autolog video without audio.

Press the Photo Key  or the Video Key  to capture additional photos or higher frame rate video clips while recording an Autolog video.

Recording Video

Press the Video Key  to start and stop recording a video. The Video LED on the Main Keypad will be lit during video recording.

Video and Autolog video can be recorded simultaneously and independent of each other. Both video recording types can be started and stopped without affecting the other.

Taking Photos

Press the Photo Key  to take a photo.

Step 4

Completing an Inspection

Close current Jobs to make a Report. Making a Report will allow images and video to be viewed on any web browser.

1. Press the Job Manager Key .
2. Navigate to the "Eject USB."
3. Press the Select Key .
4. When the USB LED light turns OFF, remove the thumb drive before shutting down the CS10.

Delivering Reports from the Thumb Drive

After closing current Jobs and finalizing a Report, remove the thumb drive from the CS10 and insert it into a USB port on a computer to view the list of files.

Double-click the file named "report.html" to view the media in a web browser. Click on the preview of each media item in the web browser to view full size photos and to playback video and Autolog video. Use the browser's "back" button to return to the initial page.

Quick Reference

Keypad and Icon Legends

CS10 Mini Keypad		
	Power Key	Turns the CS10 ON or OFF.
	LED Brightness Key	Press to step up or down through various brightness levels or press once and then use the arrow keys to step through the brightness levels.
	Sonde Key	Toggles the Sonde ON or OFF.
	Zero Key	Press the Zero Key once to reset a temporary relative zero point for intermediate measurement. Relative zero will appear in brackets. Press the Zero Key a second time to stop relative zero and return to your actual count. Press and hold the Zero Key to do a hard reset.

CS10 Main Keypad		
	Select Key	Used to select menu items.
	Arrow Keys	Used to navigate menus and screens.
	Menu Key	Allows access to the Settings, Display, Language, and Media Menus.
	Photo Key	Takes a photo.
	Autolog Key	Starts and stops Autolog video recording.
	Video Key	Starts and stops video recording.
	Job Manager Key	Opens a menu to allow the manual ejection of the thumb drive, the manual creation of a Report, and access to the list of files on the thumb drive for viewing.
	Microphone Mute Key	Toggles the microphone ON or OFF. When ON, the LED on the Microphone Mute Key will be gold.

CS10 Screen Icons	
	Job Saving Icon
	Saving to USB Icon
	Insert Thumb Drive Icon
	Thumb Drive Error
	Thumb Drive Full Icon
	Autolog Icon
	Autolog Saving Icon
	Video Icon
	Video Saving Icon
	Photo Icon
	Photo Saving Icon

Customizing Settings

Press the Menu Key  to access the Main Menu to make changes to the following:

- Monitor color, contrast, and brightness
- Time/date
- Unit of measurement
- Video format
- Language preference
- Report creating preference

To exit the menu after changing the settings, press the Menu Key .

Adjusting Monitor Settings

Press the Menu Key  to make changes to the monitor color, monitor contrast, and monitor brightness. Use the up and down Arrow Keys   to navigate to the setting you want to adjust and the Select Key  to choose it. Then use the Arrow Keys   to increase or decrease the selected settings preference levels. View the increasing and decreasing settings on the slider bar below the menu.

Adjusting Time and Date Format

Use the left and right Arrow Keys   to scroll between the various fields. Fields that can be edited will have a blinking red outline. To change the time and date format between 12 hour to 24 hour and between MM/DD/YYYY to DD/MM/YYYY, either use the up and down Arrow Keys   or push the Select Key  within the highlighted field.

Adjusting Measurement Units

If connected to a SeeSnake Reel that contains the CountPlus cable-measurement system, the CS10 will display the cable measurement in either feet or meters. Either use the left and right Arrow Keys   or press the Select Key  to toggle between “feet,” “meters,” and “auto.”

Adjusting Video Format

Choose from either MJPEG or MPEG4 video formats. Use the left and right Arrow Keys   or press the Select Key  to toggle between the video format options.

Adjusting Language Preference

To change the language used by the CS10, press the Menu Key , use the Up and Down Arrow Keys   to navigate to “Language” and press the Select Key . From within the Language Menu, use Up and Down Arrow Keys   to select a new language and press the Select Key  to choose it.

Adjusting Report Creating Preferences

The CS10 offers two Report creating options: Auto and Manual. From the Settings Menu, press the Select Key  to toggle between “Auto” and “Manual.” By default, the CS10 is set to “Auto.”

When “Auto” is selected, the CS10 will automatically create a Report after media is captured and after the thumb drive is ejected from the USB port.

When “Manual” is selected, the CS10 will not create a Report if the thumb drive is ejected. Press the Job Manager Key  to manually create a Report.

Contact Us

- Visit www.seesnake.com for updates on products, documentation, and videos.
- Visit www.RIDGID.com or www.RIDGID.eu to find your local Ridge Tool contact point.
- Contact Ridge Tool Technical Service Department by email or phone:
 - Email: rtctechservices@emerson.com
 - Phone: +1-800-519-3456 in the U.S.A. and Canada, or +32 (0) 16 380 280 in Europe.
- To contact the SeeSnake HQ support team send an email to hqsupport@seesnake.com.

Troubleshooting

Problem	Probable Fault	Solution
Camera video image not seen	No power to SeeSnake	Check power is correctly plugged in.
	Connections faulty	Check alignment and pins of connection from CS10 to the SeeSnake Reel.
	18 V Li-Ion batteries low	Recharge batteries. Switch to AC power.
Flashing battery warning appears	18 V Li-Ion batteries low	Recharge batteries. Switch to AC power.
Count accuracy unreliable (CountPlus)	CountPlus settings incorrect for Reel or cable being used	Verify the settings are correct for the SeeSnake cable length, cable diameter, and SeeSnake Reel being used.
	Counting from the wrong zero-point	Confirm measurement from the intended zero-point. Reset zero-point using the Zero Key.
Low battery warning appears on screen (CountPlus)	CountPlus battery dead or near-dead	Replace 3 V battery in the CountPlus (CR2450).
Low battery buzzer sounds or both battery LEDs turn red	18 V Li-Ion batteries low	Recharge batteries. Switch to AC power.
The “+” symbol appears after the on-screen distance measurement (CountPlus)	Physical cable measurement has exceeded the cable parameter in settings	Verify the actual length of installed cable and reset the SeeSnake Reel and cable settings in accordance with the CountPlus Operator’s Manual.
SOS blinking on Power Key LED	No video signal	Reseat SeeSnake system cable connection.

SeeSnake HQ Software



Software updates for the CS10 will be released through SeeSnake HQ.

With SeeSnake HQ, you can organize Jobs, customize Reports, generate CD/DVD versions for customers, and put Reports into a variety of file formats for various distribution methods. The printable version of the report can be printed or emailed as a PDF file. Alternatively, a multimedia report can be viewed in a web browser or on a DVD.

SeeSnake HQ also allows you to upload reports to RIDGIDConnect, an online service for storing and sharing inspection reports. To learn more about RIDGIDConnect, visit www.ridgidconnect.com. For a complete description of SeeSnake HQ and how to use it go to www.hq.seesnake.com.

Download the latest version of SeeSnake HQ for free from www.hq.seesnake.com.



We Build Reputations™

RIDGID

EMERSON Professional Tools

EMERSON. CONSIDER IT SOLVED.™

© 2011 RIDGID, Inc.