

If the LCD is connected to an SK360 when you select “Load”, and it’s not in offline mode, then the file will both be loaded into current memory **and** sent to the SK360.

6 Updating the SK-LCD’s Firmware

New firmware revisions can found at the Skookum Robotics website’s *Support* page. To update the unit’s firmware, connect it to your PC using the Skookum Robotics USB interface dongle, and hold all four buttons down for 1 second. Then start the setup software on your PC, go to the menu item Firmware, and select the firmware’s hex file. The LCD will be blank during the update.

7 Warranty and Technical Support

Skookum Robotics Ltd warrants this product against any defects in materials or workmanship for a period of 90 days from the purchase date. This warranty is limited to the original purchaser. In the event of a malfunction, Skookum Robotics will repair or replace the product to meet its standard operating condition. This warranty does not apply in cases where the product has been overheated, electrically shorted, subject to crash damage, otherwise abused, or had unauthorized repair attempts.

UNDER NO CIRCUMSTANCES DOES SKOOKUM ROBOTICS ACCEPT LIABILITY FOR INCIDENTAL DAMAGE OR INJURIES RESULTING FROM THE OPERATION OF THE SK-LCD OR OTHER PRODUCTS.

Skookum Robotics will provide customers with technical assistance by email free of charge. If the unit has malfunctioned and the 90-day warranty period has expired, we will attempt repair, and discuss the cost of possible repairs with the owner, for the cost of postage.

If you wish to return the unit or related product, please write “WARRANTY RETURN” clearly on the shipping box, and mail it to the address given below.

Manufactured in Canada by Skookum Robotics, Ltd

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SK-LCD *Field Terminal*

User Manual



1 Intro

The SK-LCD Field Terminal allows you to set up your SK360 Digital Flybar at the field, without a laptop computer. It will give you access to all the functions of the PC-based GUI, except upgrading the SK360’s firmware.

Features include:

- Large format display
- Offline editing of setups
- Save and load 25 setups for the SK360, in the internal flash memory
- No batteries are required
- Can transfer setups to and from the normal PC-based setup software
- The SK-LCD’s firmware can be upgraded
- Compatible with future Skookum Robotics products

2 Use with an SK360

The SK-LCD comes with a special 4-wire cable to connect it to your SK-360 Digital Flybar or to the Skookum Robotics LCD dongle. Note that this cable **is not** the same as the cable that came with your SK360. It should only be used with the SK-LCD.

To connect to an SK360, just plug the cable into an SK360, and provide the SK360 with power. The SK-LCD unit will receive power from the SK360. After a short splash screen, the top of the menu will tell you if the device is connected, its serial number and firmware rev, whether you're in online or offline editing mode, and the file name of the current setup file. **The SK360 must have firmware rev 1.10 or higher.**

You can now edit "live" right away. Step through the menu by using the up and down scroll buttons, or enter an edit page with the right button. Press the center button to go back to the menu.

Once you are in a menu, the up/down keys will change the selected item (marked with an arrow), and the right/left buttons will change that value. The top line of the display will show the menu you're current at. **The changes are sent to the SK360 when you return to the menu with the center button.**

Please see the SK360 User Manual for details about and use of each setup option.

If you scroll down to the bottom of the menu, the **Inputs & Sense** page will show you the live inputs from your radio to the SK360, and the motion it is sensing in the Aileron and Elevator axes.

As well, the **Actual Gains** page will show you the current gain-dial readings from the SK360, the bank selected (if the bank/gain channel is enabled). This page will also show the gains the SK360 will actually use in flight (going from the gain input/dials and the base gains for the current bank).

3 Use with the PC Setup Software

To practice using the unit, or to transfer setup files to and from your PC, just **connect the SK-LCD's four-wire cable** to the USB-dongle that came with your SK360 (you may have to **remove** the dongle's black 3-wire cable).



If you then start the PC setup software for your SK360, the LCD Field Terminal will connect to your PC as if it were an SK360. You can send files to it to save to its flash memory, or get files from it and save them to disk. Note that you don't have to be in the main menu of the SK-LCD to transfer files. Please see Section 5 of this manual for more details.

4 System Page, and Offline Editing

This page will tell you the LCD display's serial number and firmware revision. It will also allow you to adjust the contrast, or choose offline-editing mode.

When you put the SK-LCD into offline-edit mode, then any changes you make to the current setup will **not** be sent to the SK360. If you don't save the setup to the internal flash or later change to online-editing mode, your changes will be lost when the SK-LCD loses power.

5 Using the Internal Flash Memory

On the Files page you can see the name of the current file loaded for editing, rename that file, and save to or load a file from the built-in flash memory.

If you want to rename a setup file, then select "Rename" and press the right button. You can then go through each letter in turn using the right/left buttons, and change the letter using the up/down buttons. To exit out of renaming mode, press the left button while at the first character of the file name.

To select another file slot, go to "File" and use the right/left buttons. Note: Selecting a file here does not save or load from the flash memory.

To save a setup file to the internal flash at the selected file slot, go to "Save", and press the right button. To load a file from the selected file slot, go to "Load" and press the right button.