



Special Key-Mapping Screen

This screen allows the user to map custom functions or ‘hotkeys’ along the length of the fish measurement board. The special key-mapping screen gives the user a higher degree of customization while also increasing the efficiency of the data collection by giving the user shortcuts to fill out fields quicker. Right now, only SP1 through SP14 can be assigned the custom key-mapping. However, we plan to implement this key-mapping to the entire fish measuring board in the future.

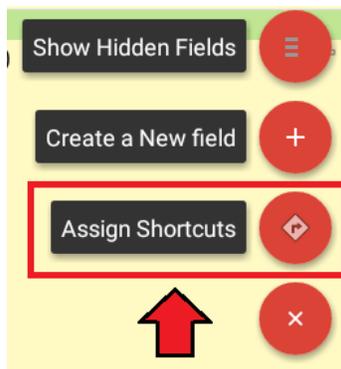


The regions in the picture above outlined in yellow correspond to the SP keys that can be assigned the custom key-mapping right now. If you are using the Tarpon decal, then you must be in *Alpha Mode* in order to use the custom-defined SP keys. If you are using the EMB.85 decal, then the SP keys can be accessed from both *Decimal Mode* and *Alpha Mode*.

Important Note: *The proper decal must be selected in the application settings. To do this, go to Application Settings -> Basic -> Select Decal Type. Select the decal that corresponds to the decal on the fish board. There should be an identifier code on the fish-board that matches a decal on the list. If you do not see the decal on this list, go to Application Settings -> Updates -> Download Latest Decal Definitions. This will download all the decals that are on the Big Fin Scientific server and will update the decal list accordingly.*

Assigning Key-Mapping Functions

In order to use the key-mapping feature, the user needs to navigate to the Special Key-Mapping Screen which can be found by pressing the red “+” button at the bottom of *Measurement View* or *Study Settings* pages and then tapping “Assign Shortcuts” option shown in the picture below.





After selecting this option, the Special Key-Mapping screen will be displayed. This screen displays SP1 through SP14 in the left column. The user can assign Type, Link, and the Action to the 14 SP keys. In order to customize a hotkey, the user must first select a Type, then assign a Link if applicable, and then select the action that will be made if the hotkey is used.

← Assign Shortcuts			
SP1	Click to select Type	Click to select Link	Click to select Action
SP2	Click to select Type	Click to select Link	Click to select Action
SP3	Click to select Type	Click to select Link	Click to select Action
SP4	Click to select Type	Click to select Link	Click to select Action
SP5	Click to select Type	Click to select Link	Click to select Action
SP6	Click to select Type	Click to select Link	Click to select Action
SP7	Click to select Type	Click to select Link	Click to select Action

Action Types

There are five different Action Types that can be selected for hotkey assignment. The different action types that can be selected are

- **Data**
- **Hardware**
- **Navigation**
- **Show Field Dialog**
- **Field Direct Entry**

These different Action Types allow various types of field manipulation for the user.

Data

The Data action type allows the user to define preset data that can be automatically filled in any field when pressed. This action type is not linked with a particular field. If a user opens a field and then taps a Data hotkey, the field that is opened will be populated with the user predefined data.

← Assign Shortcuts			
SP1	Data	N/A	hello
SP2	Click to select Type	Click to select Link	Click to select Action
SP3	Click to select Type	Click to select Link	Click to select Action
SP4	Click to select Type	Click to select Link	Click to select Action
SP5	Click to select Type	Click to select Link	Click to select Action

In the picture above, the SP1 key is given a Data type filled with a string value of “hello.” This means that if the SP1 key is pressed after opening a field within the study, then the field will be populated with “hello” in a single key-press.



Hardware

Hardware action types allow the user to link different hardware peripherals and define an action to be made. For example, the user can select a hardware type, link it to their scale, and then define the action to be "GET_WEIGHT."

Select Action Type

POWER_OFF

POWER_ON

GET_WEIGHT

Select Hardware Type

SCALE

TAG

AND

GET_WEIGHT

← Assign Shortcuts

SP1	Data	N/A	hello
SP2	Hardware	SCALE	GET_WEIGHT
SP3	Click to select Type	Click to select Link	Click to select Action

In the picture above, SP2 is linked with the scale and its action is to get the weight from the scale when pressed. This means that if user presses the SP2 hotkey after connecting to a scale, then the weight on the scale will be pulled and fill out the scale-linked hardware field within the study. This eliminates any need to touch the tablet when grabbing weight data.

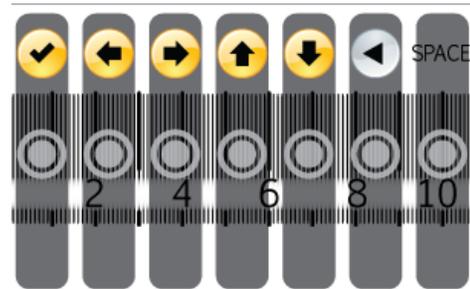
Navigation

Navigation action types allow the user to define different navigation actions to the SP keys. The different navigation selections are shown below

Select Navigation Type

- UP
- DOWN
- LEFT
- RIGHT
- SELECT
- NEXT
- BACKSPACE

Corresponds To





These different navigation type selections allow the user to navigate between fields using the hotkeys while in Measurement View and Study Settings. These selections also help with text manipulation when a field dialog has been opened.

Show Field Dialog

The Show Field Dialog action type will open up a designated field that the user can define. This action type opens up the dialog window to the user-defined field so that the user can input data with ease instead of having to find the field on the page or touch the tablet screen.

← Assign Shortcuts			
SP1	Data	N/A	hello
SP2	Hardware	SCALE	GET_WEIGHT
SP3	Navigation	N/A	LEFT
SP4	Field Dialogue	SPEC	Show Dialogue
SP5	Click to select Type	Click to select Link	Click to select Action

In the picture above, the SP4 hotkey has been defined to show the 'SPEC' field dialog when pressed. This means that the user will have quicker access to the field by pressing the SP4 hotkey. This feature is helpful if a user has an auto-fill list that they have defined for a field. If they press the hotkey, then the field will open up along with the auto-fill values for the fields that the user can then pick from.

Field Direct Entry

The Field Direct Entry action type allows the user to define a preset value that they then link to a specified field. This action type is much like the Data action type. However, the difference the two action types is that a field must be linked to the Field Direct Entry action type while the Data action type does not have a linked field.

← Assign Shortcuts			
SP1	Data	N/A	hello
SP2	Hardware	SCALE	GET_WEIGHT
SP3	Navigation	N/A	LEFT
SP4	Field Dialogue	SPEC	Show Dialogue
SP5	Field Direct Entry	SEX	Male

The picture above illustrates a Field Direct Entry action type for SP5 hotkey. The SEX field has been linked to the hotkey with the value as "Male." This means that if the user presses the SP5 hotkey, then the SEX field will then be automatically filled with a string value of "Male."