

DLP USB Scroll Control

Configuration Guide for QBox



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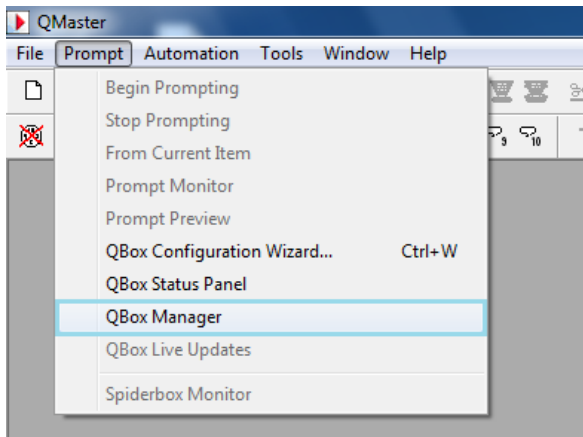
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DLP USB Scroll control configuration

Scroll control configuration can be done in one of two ways:

- 1) **Using QBox and keyboard:** Connect a keyboard to the QBox. Press **F8** to open the QBox Management Interface. The menus will be displayed on the QBox prompt output. To navigate and make selections with the keyboard, use Tab key, space key, arrow keys, [Enter] key. Skip to the next page to continue.
- 2) **Using QBox Manager in QMaster software:** In QMaster, go to Prompt→QBox Manager.



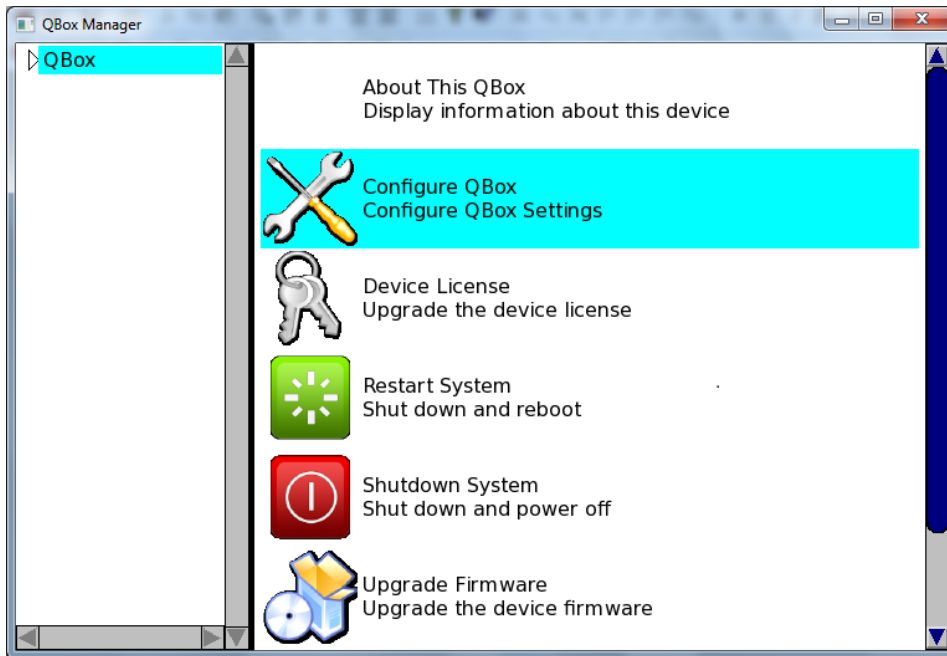
In the next screen, double-click the QBox from the list:



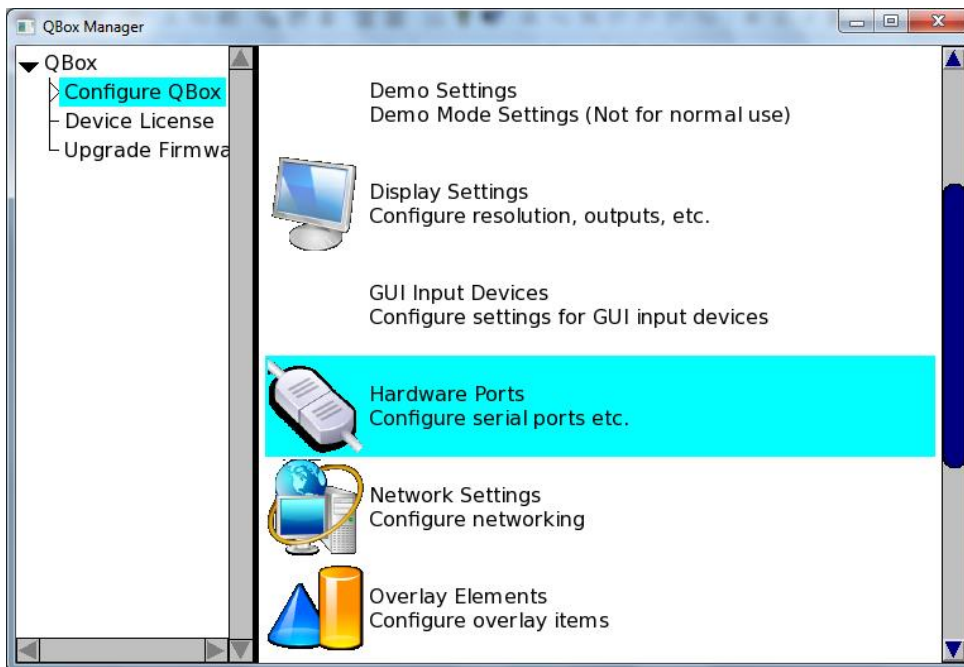
You will be asked to authenticate to the QBox. The username is **qbox**. The password is **qbox**.



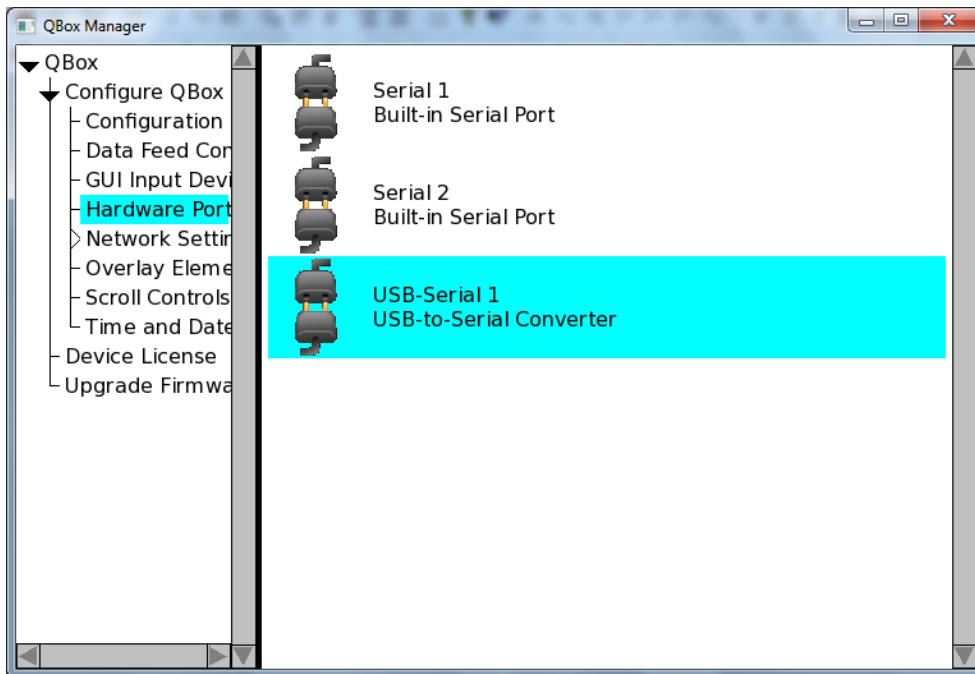
QBox Manager



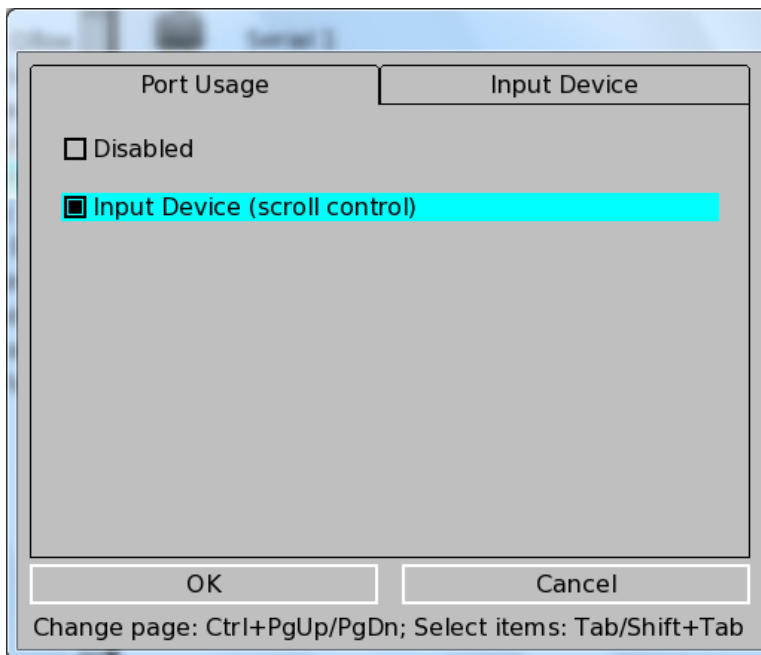
Select **Configure QBox**



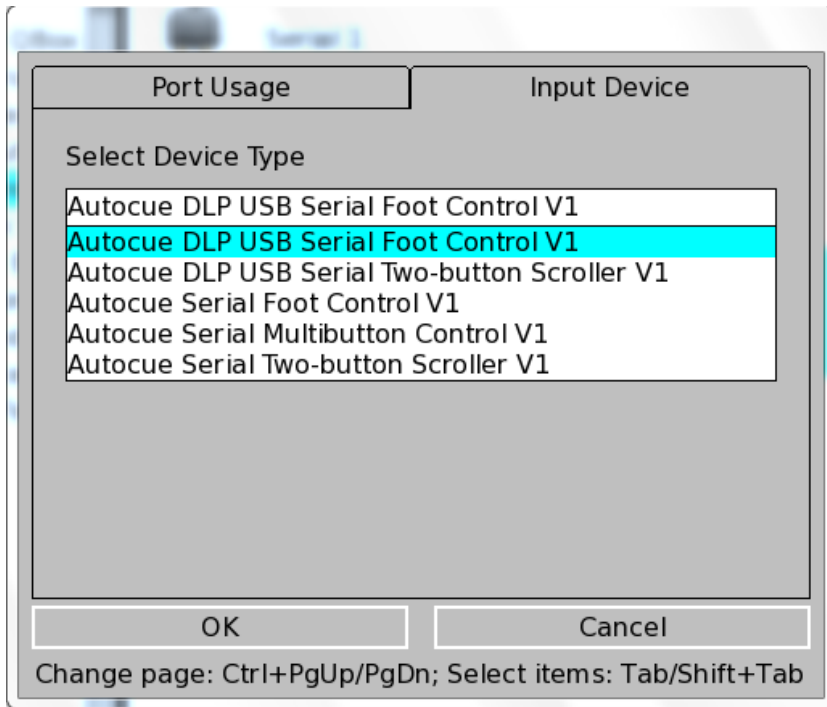
Select **Hardware Ports**



Select **USB-to-Serial-Converter**



In Port Usage, change the option from “**Disabled**” to “**Input Device (scroll control)**”.



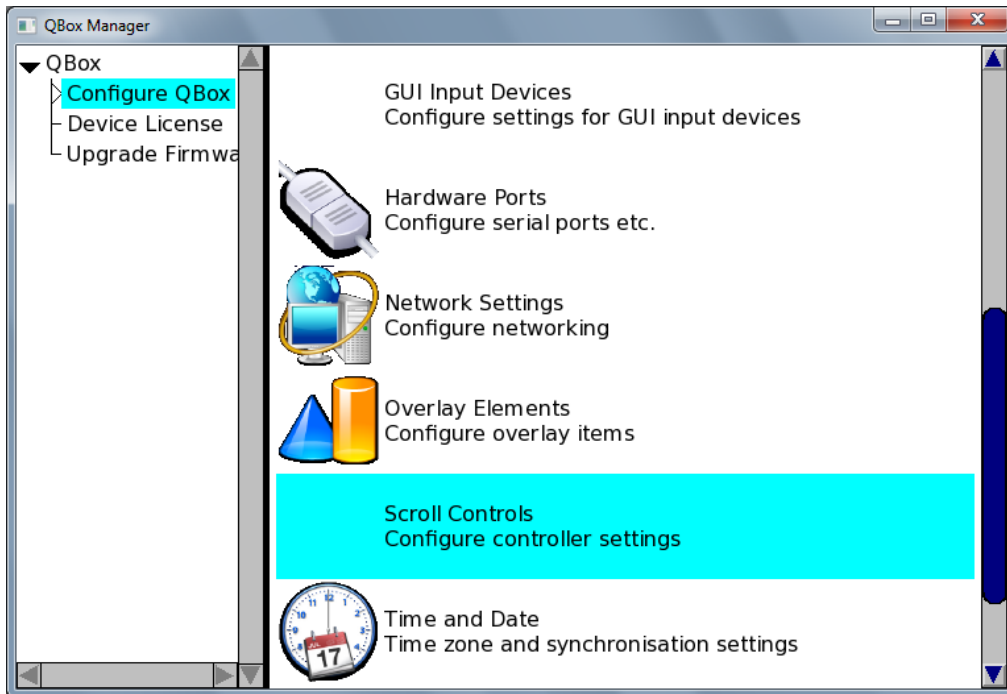
In the Input Device tab screen, select **Autocue DLP USB Serial Foot Control V1** or **Autocue DLP USB Serial Two-button Scroller V1** depending on the scroll type you have.

Click OK. Press **F10** to exit the QBox Management Interface and return to prompt mode.

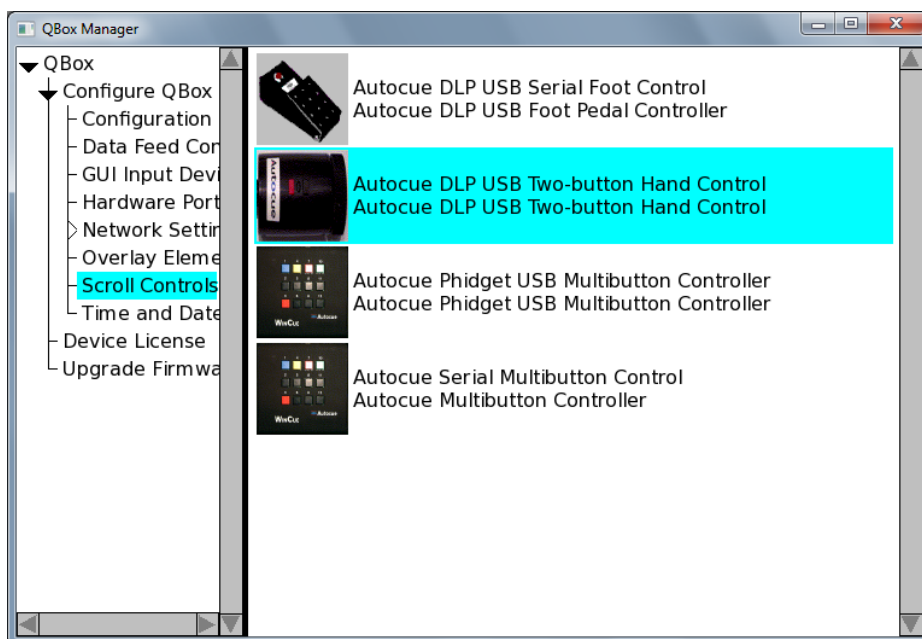
You will now be able to scroll with the controller using the default settings.

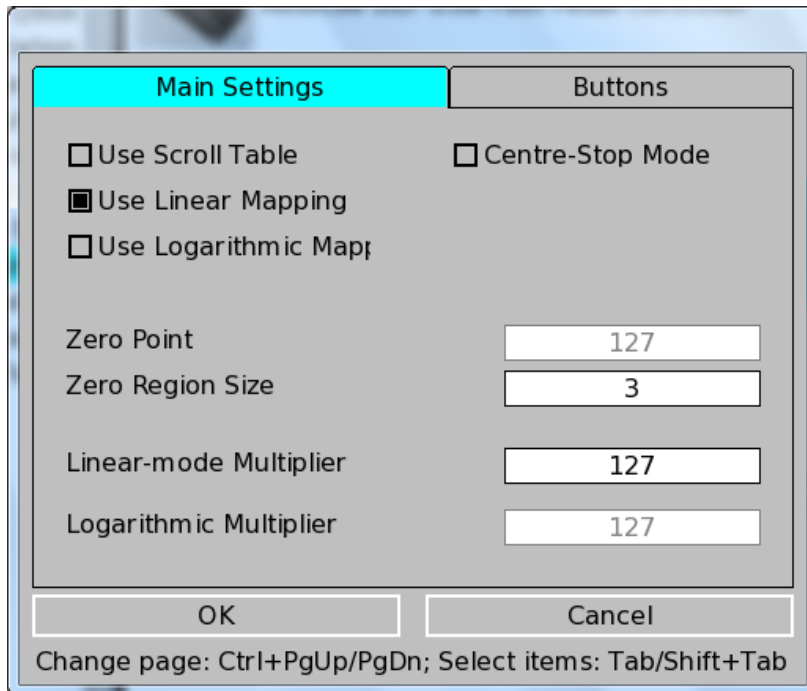
How to change settings for the DLP USB Two button scroll control:

To change settings for the USB Two button scroll control, select **Scroll Controls** from the QBox Configuration menu:



Select **Autocue DLP USB Two-button Hand Control**





You have three choices for how to configure the scroll speed:

Use Scroll Table: Use a configurable scroll table to define the speed of the scroll.

Use Linear Mapping (recommended): Use a Linear-Mode Multiplier value to define the speed of the scroll.

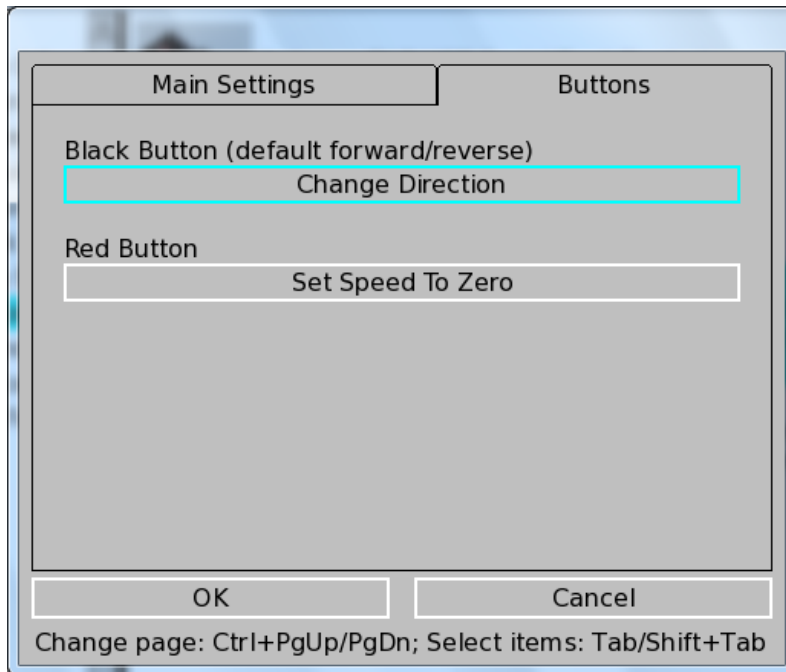
Use Logarithmic Mapping: Use a Logarithmic-Mode Multiplier value to define the speed of the scroll. This allows for much faster scroll speeds than Linear-Mapping.

Centre-Stop Mode: This mode allows you to scroll forward and backwards using only the scroll knob. The default setting is for centre-stop mode to be disabled. When disabled, End-Stop mode is used. End-Stop mode allows you to scroll in one direction using the knob. To change directions, press the FWD/REV button.

Zero Point: Set the middle location in the scroll range for where the scroll will be stopped. Range is 0-499. Default is 250. Zero Point is used for Centre-Stop mode only.

Zero Region Size: This is the size of the stopped portion of the scroll range. Increase this to make it easier to stop the scroll. Maximum value is 15.

Button Configuration:



The image shows a 'Button Configuration' dialog box with a light blue border. It has two tabs: 'Main Settings' and 'Buttons'. The 'Buttons' tab is selected. Inside the 'Buttons' tab, there are two sections. The first section is labeled 'Black Button (default forward/reverse)' and contains a button labeled 'Change Direction' with a red border. The second section is labeled 'Red Button' and contains a button labeled 'Set Speed To Zero' with a black border. At the bottom of the dialog, there are two buttons: 'OK' and 'Cancel'. Below these buttons, there is a line of text: 'Change page: Ctrl+PgUp/PgDn; Select items: Tab/Shift+Tab'.

Main Settings Buttons

Black Button (default forward/reverse)

Change Direction

Red Button

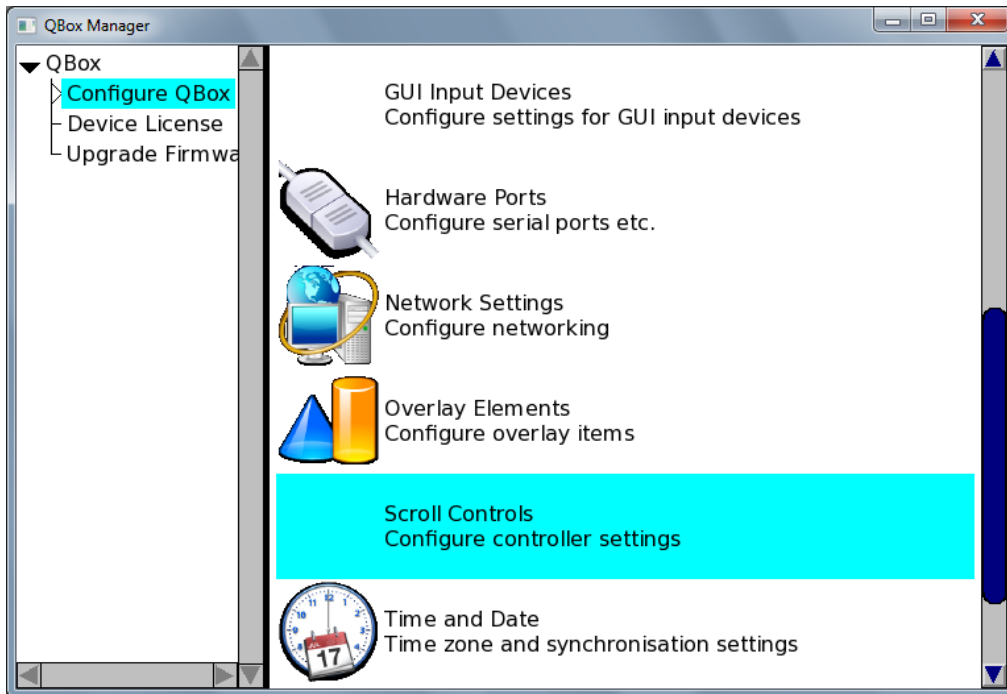
Set Speed To Zero

OK Cancel

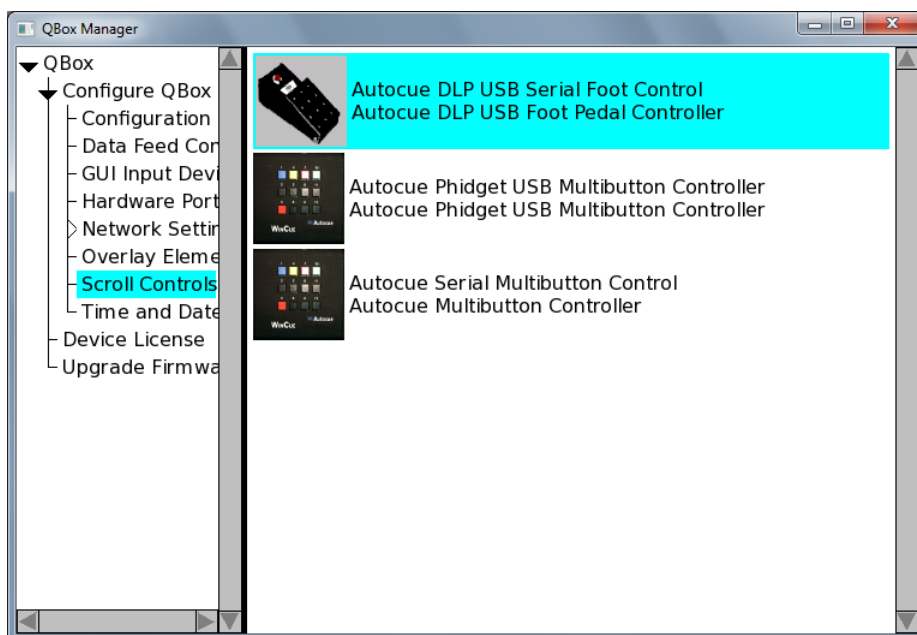
Change page: Ctrl+PgUp/PgDn; Select items: Tab/Shift+Tab

How to change settings for the DLP USB Foot scroll control:

To change settings for the USB Foot scroll control, select **Scroll Controls** from the QBox Configuration menu:



Select **Autocue DLP USB Serial Foot Control**



The image shows a settings dialog box with two tabs: "Main Settings" (highlighted in cyan) and "Buttons". Under the "Main Settings" tab, there are three checkboxes: "Use Scroll Table" (unchecked), "Use Linear Mapping" (checked), and "Use Logarithmic Mapping" (unchecked). Below these are three input fields: "Zero Region Size" with the value "3", "Linear-mode Multiplier" with the value "127", and "Logarithmic Multiplier" with the value "127". At the bottom of the dialog are "OK" and "Cancel" buttons. Below the buttons, there is a footer text: "Change page: Ctrl+PgUp/PgDn; Select items: Tab/Shift+Tab".

You have three choices for how to configure the scroll speed.

Use Scroll Table: Use a configurable scroll table to define the speed of the scroll.

Use Linear Mapping (recommended): Use a Linear-Mode Multiplier value to define the speed of the scroll.

Use Logarithmic Mapping: Use a Logarithmic-Mode Multiplier value to define the speed of the scroll. This allows for much faster scroll speeds than Linear-Mapping.

Zero Region Size: This is the size of the stopped portion of the scroll range. Increase this to make it easier to stop the scroll. Maximum value is 15.

Troubleshooting

Moving the scroll control to another USB port

It is important to keep the scroll control connected to the same USB port at all times. If you disconnect the scroll control and reconnect it to a different USB port, you will have to repeat the configuration.

Using multiple scroll controls

By default you are allowed to connect one scroll control to the QBox and one scroll control to the PC. For more than that, you will need to purchase the Multi-controller option. Contact Autocue for more information.

For DLP USB controllers connected to the PC

If connecting the USB Two-button or USB Foot control to the PC's USB ports, you will first need to install the DLP USB Windows driver. The DLP USB Windows driver can be found at this link:

http://support.autocue.com/public/Drivers/Windows_DLP_Drivers.zip. Determine the USB Serial COM port number assigned to the scroll control. This information can be found in Windows Device Manager, under Ports. Then configuration is done in QMaster under Tools→Options→QBox Prompt Engines→Scroll Controls.

For those with QBox version 1 firmware

QBox version 1 does not support the DLP USB controllers. QBox version 1 owners have two choices: (1) Purchase a version 2 QBox. It is not possible to upgrade a version 1 QBox to version 2. (2) Connect the controllers to the PC. See above note for how to configure DLP USB controllers connected to the PC.

Further information

Refer to the QBox user guide that came with your Autocue equipment for detailed information about configuring and operating your QBox.

Technical Support

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