



BarTech Iris Slider Handset Upgrade



Making it possible ... **PLC Electronic Solutions** in conjunction with **BarTech Engineering** have developed the solution to quickly and inexpensively upgrade your existing **BarTech BFD Handset** controller to a 2-channel Focus and Iris controller unit without having to buy a different handset!

The **PLC Electronic Solutions BarTech Iris Slider** upgrade allows any user to convert an existing **BarTech BFD Handset** into a 2-channel controller in less than 10 minutes by following simple step-by-step instructions with commonly available hand tools. The system adds very little weight or bulk to your existing controller. The slider mechanism is completely sealed and impervious to dust or moisture. You will find the magnetically based feedback to be positive, smooth and accurate. The system is fully backward compatible with the **BarTech Analog Receiver** you may already own for focus and the **fSTOP Wireless BarTech Digital Receiver** for Focus or Iris.

NEW - High Resolution 16bit Control for increased accuracy and smoother lens operation
Our new high-resolution control mode is on par with industry standard systems that cost over \$30,000.

Now you can also benefit from the increased resolution that is **16 times more accurate** in positioning than existing 12 bit resolution systems.

12 bits = 4096 steps / **16 bits = 65535 steps**

Features:

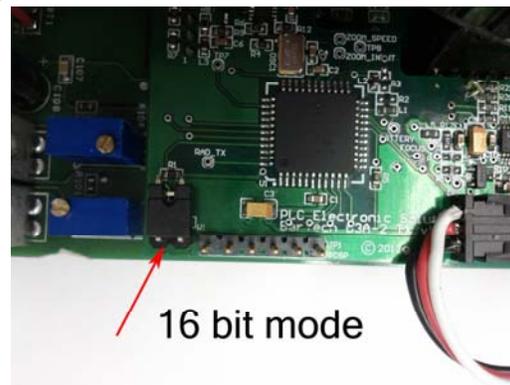
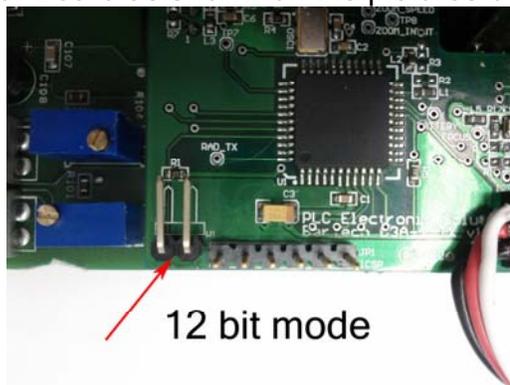
- 16 bit High Resolution Control (65,535 positions) possible with **fSTOP Wireless BarTech Digital Receiver** for Focus and Iris.
- A quick 10-minute installation on existing **BarTech BFD Handsets** (s/n: T1.0430 and newer) with simple hand tools.
- Radio Transmission protocol compatible with legacy **BarTech Analog Focus Receivers**.
- 900MHz data transmission, 8 selectable sub-channels.
- Remote Camera Run (selectable Momentary or Continuous).
- Powered by 1x 9V Battery (up to 18 hours of operation).
- Automatic standby battery saver mode & low battery indicator.
- **This item includes the BarTech Iris Slider Upgrade only.**

1. 12 or 16 bit

12 bit mode allows the system to work with all **BarTech Analog Focus Receivers** and all **fSTOP Wireless BarTech Digital Receivers**.

16 bit mode works with the **fSTOP Wireless BarTech Digital Receiver** with software version 3.1 and newer. **NEW - High Resolution 16bit Control for increased accuracy and smoother lens operation**

To choose 16 bit mode, place the black jumper on the connector W1 of the Slider Adaptor Board as shown on the pictures below.



2. Channel Switch Settings

To use the **fSTOP Wireless BarTech Digital Receiver** with the **BarTech Iris Slider**, the **CHAN** switch must be set to **A**, **B**, or **C**. Use the following table to determine the appropriate channels to use. As a general rule, use the highest number that works in order to minimize interference from video transmitters.

Transmitter BFD Handset	Focus Receiver	Iris Receiver	Zoom Receiver (16 bit mode)
0	0	A	D
1	1		
2	2		
3	3	B	E
4	4		
5	5		
6	6		
7	7	C	F

Note: If two BFD units are being used at once, leave at least one unused channel between the two channels being used, i.e. do not set the units on adjacent channel, such as 5 & 6! Also do not use 3 & 7 or 2 & 6 simultaneously, as you may get interference.

3. Calibration

- 3.1. To calibrate the **BarTech Iris Slider** and **Focus knob** make sure that all of the switches are in the down position on the BarTech Handset. I.e. Power is OFF, Motor Direction is in REV, Camera is in CON, and Camera Run/Stop is in STOP.
- 3.2. Switch on the Power switch.
- 3.3. Now switch up all of the other switches. When this is completed both the Power and Camera Run/Stop LED's should start rapidly flashing.
- 3.4. Slide the **BarTech Iris Slider** all the way from one end to the other a few times.
- 3.5. Rotate the **Focus knob** all the way from one end to the other a few times.
- 3.6. Move all of the switches but the Power switch into the down position. The Power and Camera Run/Stop LED's will stop rapidly flashing which indicates that the calibration is complete.

4. Maintenance

To clean the **BarTech Iris Slider** guide unscrew the 2 Phillips screws on the end of the slider in the plastic stopper. Slide out the stopper and slider knob. Clean the guide and knob with alcohol and replace the slider knob with the rounded end going in first. Slide in the stopper and screw it back into place.

Note: Be careful not to over tighten the screws.