NOTES

For additional product information and compatible transmitter listing please scan the QR code or visit our website at: **www.castlecreations.com/sbus2resources**

ITEMS NEEDED FOR SET-UP AND OPERATION:

- Compatible Futaba® transmitter/receiver (software update may be required)
- Compatible Castle Creations ESC (software update may be required)
- Castle Link USB device

AIR PRODUCT COMPATIBILITY

ESC and data point	Edge and Edge Lite	Edge HV and Edge HV Lite	Phoenix Ice 2 HV	Phoenix Ice and Ice Lite	Talon Series
Battery Voltage	✓	✓	✓	✓	✓
Battery Current	✓	✓	✓	✓	✗
Motor Power Output	✓	✓	✓	✓	✓
RPM	✓	✓	✓	✓	✓
BEC Voltage	✓	✓	✓	✓	✓
ESC Temperature	✓	✓	✓	✓	✓
Battery Ripple	✓	✓	✓	✓	✓

SURFACE PRODUCT COMPATIBILITY

ESC and data point	Mamba Monster X	Mamba XL X	Mamba Micro X	Sidewinder Micro 2
Battery Voltage	✓	✓	✓	✓
Battery Current	✓	✓	✗	✗
Motor Power Output	✓	✓	✓	✓
RPM	✓	✓	✓	✓
BEC Voltage	✓	✓	✓	✓
ESC Temperature	✓	✓	✓	✓
Battery Ripple	✓	✓	✓	✓

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TELEMETRY LINK

FOR Futaba® S.BUS 2

EXPERIENCE THE ADVANTAGE OF REAL-TIME DATA TELEMETRY BETWEEN YOUR CASTLE™ ESC AND TRANSMITTER.
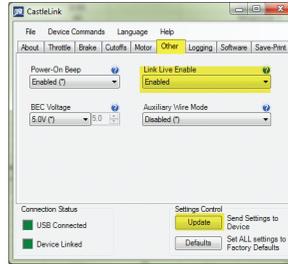

castle

OVERPOWERING RC SINCE 1997™

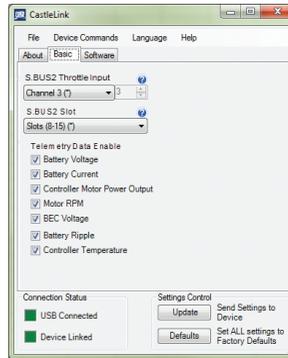## CONFIGURING YOUR ESC FOR USE WITH YOUR NEW TELEMETRY LINK

Visit www.castlecreations.com/downloads and make sure you have the most recent version of Castle Link software and ESC firmware. If this is your first time using the Castle Link, you can find additional resources at *www.castlecreations.com/sbus2resources*

The Castle Link Live™ feature will need to be enabled on your ESC in order to use your Telemetry Link. Once you have successfully linked your ESC to Castle Link, locate the "OTHER" tab and change the Link Live Enable box to "Enabled". Click the "Update" button to save the modified settings to your ESC.

TELEMETRY LINK CONFIGURATION

1. The Telemetry Link may require configuration in Castle Link. Connect the brown, orange, and yellow lead (labeled External Input) on the Telemetry Link to the Castle Link USB device.

2. Click on the "BASIC" tab.

3. The S.BUS2 Throttle Input default is Channel 3, which is typically assigned to the throttle stick on the Futaba transmitter. Please refer to Futaba's recommendation for setups that require modification of this selection. Assignment changes made on the transmitter may need to be changed here as well. For external governor applications, select External Input in the S.BUS2 Throttle Input drop down.

4. The Telemetry Link will occupy (8) SBUS2 slots. The designated start slot is 8, 16, or 24. Castle Link defaults to S.BUS2 Slot 8. The start slot can be changed, if you are already using a sensor on one of these slots, by using the drop down menu.

5. The Telemetry Data Enable checklist allows you enable/disable specific telemetry data points. This is useful if your ESC does not support one or more of the data points, or if you are not interested in a specific data point.

6. Click the "Update" button to save modified settings to your Telemetry Link.

Additional resources are available by clicking the ❓ button in Castle Link.

SUPPORT

Radio Support:
www.futabarc.com
Email: support@futaba-rc.com
Phone: (217) 398-8970 (option 2)

Telemetry Link/ESC Support:
www.castlecreations.com
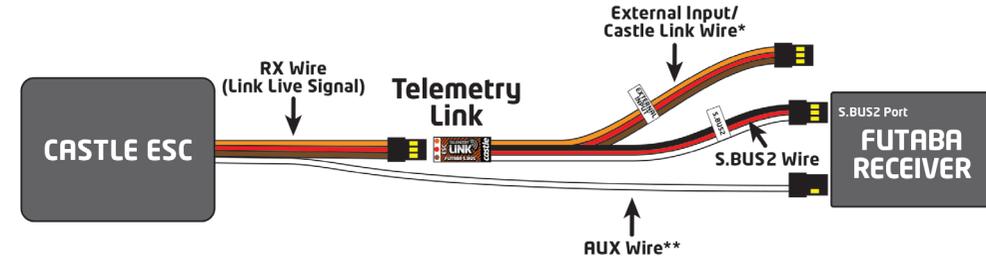Email: support@castlecreations.com
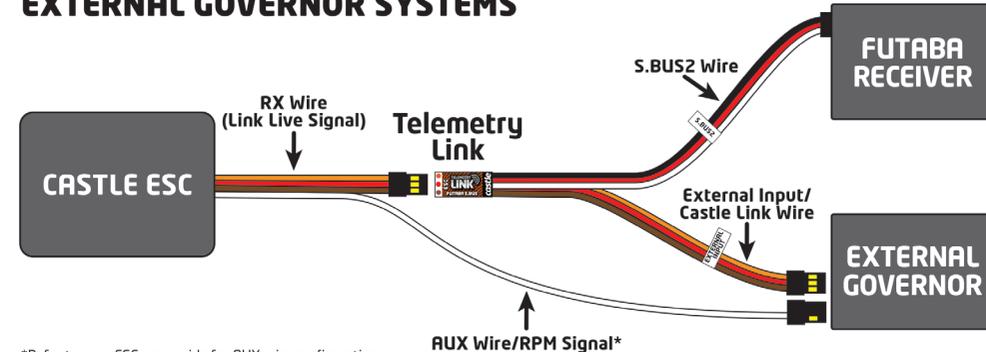Phone: (913) 390-6939 (option 1)

VEHICLE CONNECTION

Follow the connection diagram below that applies to your Telemetry Link Set-Up. Additional connection resources can be found at *www.castlecreations.com/sbus2resources*

S.BUS2 SET-UP FOR SURFACE, AIR, AND INTERNAL GOVERNOR SYSTEMS

*The External Input wire is not used in this configuration.
**Refer to your ESC user guide for AUX Wire configuration.

S.BUS2 SET-UP FOR EXTERNAL GOVERNOR SYSTEMS

*Refer to your ESC user guide for AUX wire configuration.

RADIO CONFIGURATION

Your Futaba S.BUS2 Radio may require a software update to be compatible with the Telemetry Link. Validate the software version required at *www.castlecreations.com/sbus2resources*

Once you have verified that your transmitter firmware is compatible, the Castle ESC sensor **CASTLE-TL0**, is now selectable and ready to be configured per Futaba's instructions.

⚠ *Operation of a model aircraft requires your undivided attention. We encourage you to refer to your transmitter manual to configure tactile and/or aural alerts to ensure your safety, and the safety of those around you.*