Instruction Manual for Telemetry Modules

1.1 Compatibility chart:

Switch 1	Switch 2	Mode of Module	Compatibility
OFF	OFF	Two-way Mode	Two way telemetry receivers (D8R, D8RSP, D6FR, D4FR, D4R)
OFF	ON	V8 Mode	V8 receivers (V8FR-HV, V8R7-HV, V8R7-SP, V8R4)

1.2 Specifications:

Model: DFT/DJT/DHT
Operating Voltage Range: 6.0V-13.0V
Operating Current: 50mA
Output Power: 60mW
Resolution: 3072

1.3 Compatibility:

1) DFT is compatible with the following transmitters:
   Futaba: 3PM, 3PK, 7U, 8U, 8J, 9C, 9Z, 10C, FN series, T10C, FC-18, FC-28
   Hitec: Optic 6, Eclipse 7, Prism 7
   WFLY: WFT09, WFT08
2) DJT is compatible with the following transmitters:
   JR: 347/388/783/U8/PCM10/PCM10S/PCM10SX/PCM10IIS/8103/J9303/PX/9XII/11XZERO
3) DHT is compatible with all transmitters with PPM output.

2.1 Setup:

Follow the steps below to set up your system properly.
1) Turn your transmitter on and switch it to PPM mode. Turn your transmitter off.
2) Turn your transmitter on while holding the F/S button on the transmitter module. Release it in a few seconds. The RED LED on the transmitter module will flash, indicating the transmitter is ready to bind the receiver.
3) Connect battery to the receiver while holding the F/S button on the receiver. The LED on the receiver will flash, indicating the binding process is completed.
4) Turn on the transmitter and connect battery to the receiver. The RED LED on the receiver will indicate the receiver is receiving commands from the transmitter.
After the steps above are completed, both the transmitter and receiver are ready to be used.

2.2 Range check:

It is highly suggested to perform pre-flight range check. Caution must be paid when you perform range check in environment with metal fences, concrete buildings, or rows of trees. Loss of signal may be experienced.
Please kindly follow the steps below to perform range check: (Note: this would be done with the receiver installed in the model):
1) Place the model at least two feet (60cm) above non-metal contaminated ground (like wooden bench).
2) Place the receiver's antennas apart. Do not let the antennas touch the ground.
3) Place the antenna of the transmitter in a vertical position.
4) Turn on the transmitter and receiver, press the F/S button of the transmitter for 4 seconds to enter range check mode, the RED LED of the transmitter module will be off, the effective distance will be decreased to 1/30.
5) Walk away from the model while simultaneously operating the controls on the transmitter, confirming that all controls are completely and correctly operational at least 30 meters away.
6) Press the F/S button for 1S-4S, the transmitter will exit range check mode.

2.3 Signal loss indicator and failsafe setting:

In some special circumstances, such as strong interference, the signal may be lost. When signal is lost in a short period, the receiver continues to try to search for the transmitter, at the same time it keeps the last command from the transmitter, until a new command is received.

FrSky receivers support failsafe function for all channels. Please kindly follow the steps below to set failsafe:
1) Bind the receiver first;
2) Set failsafe at any required position on any channel.
3) Press briefly the "F/S Range" button of the receiver, the GREEN LED of the receiver will flash twice, the failsafe is set up successfully.
If you do not need the failsafe function any more, just re-bind the receiver to set default failsafe mode.

Relevant download link:

Two Way Series: http://www.frsky-rc.com/download.asp?id=22

Instruction Manual for V8 Non-telemetry Receivers

1.1 Specifications:
Model: V8FR-HV, V8R7-HV, V8R4
Operating Voltage Range: 3.2V-7.6V (V8R4)
　　　　　　　　　　　　3.0V-16V (V8FR-HV, V8R7-HV)
Operating Current: 30mA
Resolution: 3072
Latency: 22ms
Specified:
V8FR-HV (8CH, 14g, 49mm×24.5mm×15mm, 1.5km-2.5km)
V8R7-HV (7CH, 7.5g, 40mm×21mm×10mm, 1.5km-2.5km)
V8R4　　(4CH, 2.6g, 34.5mm×19.5mm×8mm, ≥500m)

1.2 Compatibility:
　　　V8 non-telemetry receivers are compatible with following FrSky telemetry modules in V8 mode (DFT, DJT and DHT).

2.1 Setup:
　　　Follow the steps below to set up your system properly.
1)　Turn your transmitter on and switch it to PPM mode. Turn your transmitter off.
2)　Turn your transmitter on while holding the F/S button on the transmitter module. Release it in a few seconds. The RED LED on the transmitter module will flash, indicating the transmitter is ready to bind the receiver.
3)　Connect battery to the receiver while holding the F/S button on the receiver. The LED on the receiver will flash, indicating the binding process is completed.
4)　Turn on the transmitter and connect battery to the receiver. The RED LED on the receiver will indicate the receiver is receiving commands from the transmitter.
　　　After the steps above are completed, both the transmitter and receiver are ready to be used. Binding is required only to set up a new link (like new or additional receiver or transmitter module).

2.2 Range check:
　　　It is highly suggested to perform pre-flight range check. C aution must be paid when you perform range check in environment with metal fences, concrete buildings, or rows of trees. Loss of signal may be experienced.
　　　Please kindly follow the steps below to perform range check: (Note: this would be done with the receiver installed in the model):
7)　Place the model at least two feet (60cm) above non-metal contaminated ground (like wooden bench).
8)　Place the receiver's antennas apart. Do not let the antennas touch the ground.
9)　Place the antenna of the transmitter in a vertical position.
10)　Turn on the transmitter and receiver, press the F/S button of the transmitter for 4 seconds to enter range check mode, the RED LED of the transmitter module will be off, the effective distance will be decreased to 1/30.
11)　Walk away from the model while simultaneously operating the controls on the transmitter, confirming that all controls are completely and correctly operational at least 30 meters away.
12)　Press the F/S button for 1S-4S, the transmitter will exit range check mode.

2.3 Signal loss indicator and failsafe setting:
　　　In some special circumstances, such as strong interference, the signal may be lost. When signal is lost in a short period, the receiver continues to try to search for the transmitter, at the same time it keeps the last command from the transmitter, until a new command is received.

　　　FrSky receivers support failsafe function for all channels. Please kindly follow the steps below to set failsafe:
4)　Bind the receiver first;
5)　Set failsafe at any required position on any channel.
6)　Press briefly the "F/S Range" button of the receiver, the GREEN LED of the receiver will flash twice, the failsafe is set up successfully.
　　　If you do not need the failsafe function any more, just re-bind the receiver to set default failsafe mode.

Relevant download link:
　　　For V8 series: http://www.frsky-rc.com/download.asp?id=21