

## Notes regarding the different bus systems

It is important to observe the following notes and settings before you attempt to operate the different bus systems produced by the radio control system manufacturers in conjunction with **PowerBox SRS** products:

**Spektrum:** The option (DSM2 / DSMX) you should select depends on the transmitter type you wish to use - not on the satellites connected to the system. For example, if your transmitter transmits on DSM2, but the satellites are DSMX types, select DSM2 here (for example, this applies to all Spektrum modules fitted to MC 24 transmitters).

**M-Link:** The MPX receiver or receivers to be used must be set to "digital output". This can be accomplished using the Pro – Mate device or a PC with the help of a USB adapter (Multiplex or **PowerBox USB Interface**).

If you intend to use two receivers, you should also set the **max. fail-safe duration** to 0s, and the **max. hold duration** to 0.2s. This is important, as it ensures a rapid switch-over between receivers in the case of signal loss.

**S-BUS:** Set the receiver(s) to "normal mode" - **not** "high-speed mode". "Normal mode" should be set as default. Please read the instructions supplied with your receiver for the method of selecting or checking this setting.

If you are using an R7008SB receiver in particular, please note the following: output 8 must be set to S-Bus, and this output must be used. Do not make any connections to the S-Bus2 output.

**Jeti:** Connect two R-Sat2 satellites to the system: one satellite operates as "clone", the other as "normal". We have found the following settings to work well:

- **Output Mode: Computed**
- **Signal Fault: off**
- **Signal Fault Delay: 0.5s**
- **Output period: 20ms**
- **PPM 9, 12, 16** depending on your transmitter / transmitter module

**HoTT O:** For this option the SUMO signal must be activated at the receiver; it is a serial PPM signal. If you intend to use two receivers, select **CH OUT TYPE:** at the SmartBox and set **SUMO OF 16**.

**HoTT D:** If you select this option, it is essential to activate the SUMD signal at the receiver. This is a digital bus system which provides a higher frame rate and better resolution than the SUMO.

If you intend to use two receivers, select **CH OUT TYPE:** at the SmartBox and set **SUMD OF 16**.

**Note regarding the two HoTT systems:** OF means that the receiver switches off the SUMD signal if the signal should be lost. The SRS system detects this within a few milliseconds, and switches over to the second receiver.

If you only wish to use one receiver, you can also set FS. In a signal loss situation, the set Fail-Safe positions are then passed on to the servos.