



HUB-4.1

Art.No. F88841000

S-BUS terminal block with
wing connectors and regulated
receiver supply



HUB-4.1 Characteristics

The HUB-4.1 is a compact S-BUS terminal block equipped with all necessary connectors. A 50cm (20") flexible silicone cable establish the connection to the S-BUS receiver. The separated receiver voltage is regulated to 5.9V and allows a complete decoupling from the servo supply.

The servos will be supplied directly from the supply voltage of the HUB-4.1 unit (without regulation and without drop-out-losses). The wing connection is made with a 30cm (11.8") long AWG21 cable with lockable wing joiner plugs. For models with thin wing sections a special adaptor cable with two servo connection cables can be used. Several units with different cable length are available (e.g. product no. 88840002). Using a HUB-2 cable, the connection of additional servos is possible.

Alternatively the S-BUS wing mounted socket with AWG18 connector-lead can be used for models with a thicker wing profile. The servo connection is made here using the solder-free S-BUS clamp connectors (e.g. with integrated PWM interface for traditional PWM servos). Servos can be connected safely in all wing panels without any soldering.

A total of up to 10 S-BUS servos can be directly connected to the HUB-4.1. Additional small servos with lower current consumption can be connected directly to the S-BUS receiver and will be powered with the regulated 5.9V.

Elevator and rudder servos will be connected using the integrated 120cm (47") long HUB-2 cable. Additional servos can be connected using an additional HUB-2 distribution unit.

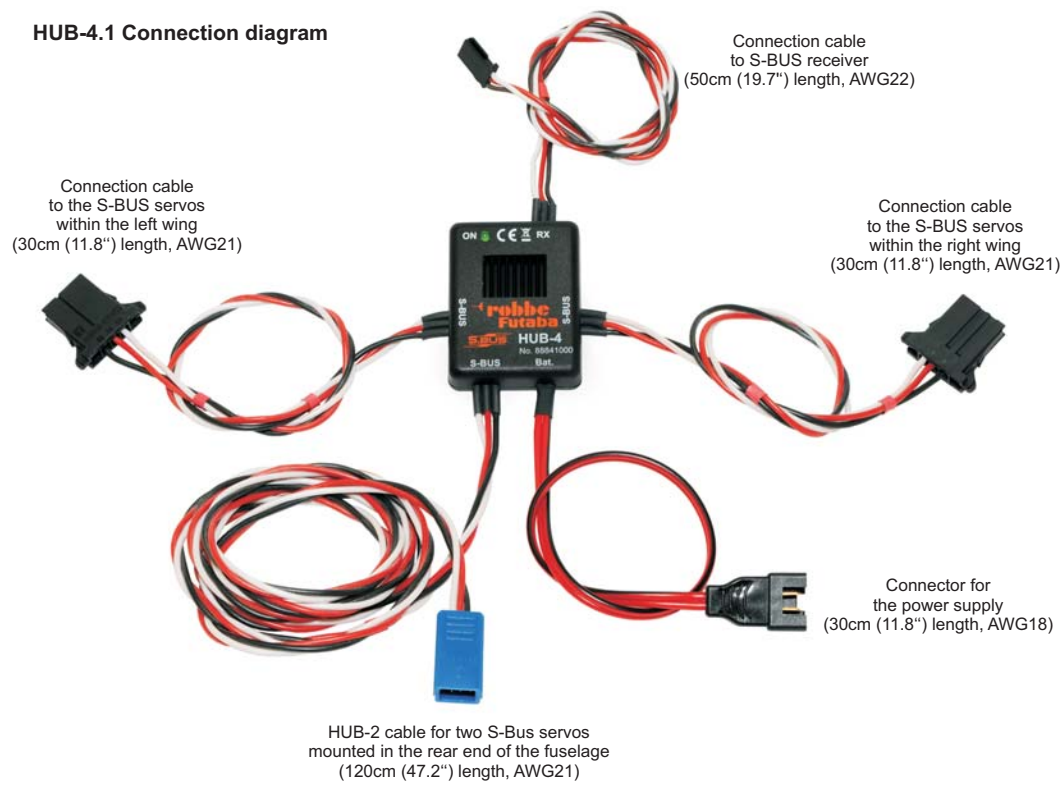
The power supply is made via a standardized heavy-duty plug (30A) with hotmelt-sealed connector. The heavy-duty switch harness No. 8892 or alternatively a commercially available voltage limiter or a dual power supply can be used as well.

Using the HUB-4.1 servo power distribution and receiver will be separated from each other within the model. Therefore the receiver may be located at the optimum reception point, for example within the canopy. The remaining wiring can be placed well within the fuselage. The HUB-4.1 system therefore suits perfect for gliders from 10 up to 17 ft. wing span or gas engine models within the 3 cin class.

Hint:

The HUB-4.1 unit can be used with Robbe/Futaba S-BUS receivers and S-BUS servos only! When using normal servos a S-BUS-PWM adaptor has to be applied!

HUB-4.1 Connection diagram



HUB-4.1 Overview



Accessories for the HUB-4.1

Wing connector female for 2 servos, 50/130cm	Art.No. 88840002
Wing connector female for 2 servos, 30/ 50cm	Art.No. 88840003
Wing connector female for 3 servos, 50/130cm	Art.No. 88840004
S-BUS wing cable with female connector, 150cm	Art.No. F1686
S-BUS wing cable with female connector, 200cm	Art.No. F1687
S-BUS wing cable with female connector, 300cm	Art.No. F1688
S-BUS clamp for servo connection	Art.No. F1690
S-BUS clamp with PWM-Adaptor for servo conn.	Art.No. F1691
HUB-2 cable, 10cm (3.9")	Art.No. 88820010
HUB-2 cable, 30cm (11.8")	Art.No. 88820030
HUB-2 cable, 50cm (19.7")	Art.No. 88820050
HUB-2 cable, 80cm (31.5")	Art.No. 88820080
HUB-2 cable, 120cm (47.2")	Art.No. 88820120
Pin powered switch, 8A	Art.No. 8892

HUB-4.1 Technical specifications

Input voltage	6V - 8.4V (5 NiMH or 2S Li++)
Output voltage (regulated for the receiver)	5.9V
Ampacity (receiver connector)	2A cont. using a 2S LiPo battery 10A peak current
Output voltage (unregulated for the servos)	Identical to the input voltage
Ampacity (unregulated output)	8A cont. current 16A peak current
Power-on control	LED
Quiescent current	approx. 3.5mA @ 7.4V
Max. qty. of S-BUS servos	10
Dimensions	50mm x 39mm x 14mm
Weight	approx. 86 gram (3 oz.)

Conformity Declaration

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Disposal of Devices

It is illegal to dispose of electronic equipment in the ordinary household waste: that is the meaning of the symbol printed alongside. It simply means that you must dispose of electrical and electronic equipment separately from the general household waste when it reaches the end of its useful life. Take your unit to your local specialist waste collection point or recycling centre. This applies to all countries of the European Union, and to other European countries with a separate waste collection system.

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