Supplement sheet for PowerBox 40/24 Professional
(valid February 2004):

For the last two years the PowerBox 40/24 has been the world's most widely sold power supply for large models (**more than 40 countries**), and its capability has just been further enhanced!
The **world's finest model pilots** (Christophe Paysant Le Roux, Jason Shulman, Sebastiano Silvestri, the three top-placed pilots at the 2003 Jet WC, display pilots such as Robert Fuchs, Wolfgang Kappler, Marc Petrak and many, many more) entrust their models' safety to the **PowerBox 40/24 Professional**.
We have now developed a new version, to be available in **Spring 2004**, which incorporates a number of significant improvements in terms of features and performance.
Seven channels are now available via the backer, i.e. remote from the receiver; all seven are equipped with the latest short-circuit protected signal amplifiers (advanced push-pull), and - as you would expect - the signal is fed independently to each of the 24 sockets. Like its predecessor, the new version features a two-way amplifier for each channel.
All signal amplification circuits are completely voltage-independent. We have adopted the system used in the PowerBox "**Competition**" and "**Champion**" and **also stabilise the servo signal**.
The two LED chains and the two external LEDs for monitoring both batteries are **controlled by a modern micro-controller**. A program (intelligent algorithm) developed by us in-house monitors both battery systems with even greater accuracy, and provides more information, which is important for the user.
The backer now also features an integral minimum value memory (**low voltage memory**) for both battery systems, to provide even better monitoring of your batteries. The minimum value memory records all voltage collapses during the flight, individually for each battery. In our opinion this is a very important innovation, as it provides crucially important information to the battery user.
Before the flight the batteries are subjected to a brief test of their capability, but this development also provides a long-term test (total flight time).
The minimum value memory can be called up after each flight by pressing the marked button (**low voltage memory**) in the centre of the PowerBox. This must be done **before** switching off.
The minimum values are reset when the batteries are switched off, i.e. the low voltage recording process restarts for the next flight.
You can now **select for yourself** whether you wish to use **4-cell or 5-cell** packs in your model. A "jumper" (bridge plug) on the underside of the backer enables you to set your own preferred battery type.
As standard, the PowerBox 40/24 Professional is supplied **with the jumper plugged in**. This means that the voltage monitor is set for **5-cell** operation.
If you wish to fly with a 4-cell battery, simply remove the jumper. If it is plugged in again, the system reverts to 5-cell monitoring. The jumper has no effect on the functional ability of the backer.

The weight of the **PowerBox 40/24 Professional** is exactly the same as that of its successful predecessor: just **125 grammes**.
We wish you every success using your new **PowerBox 40/24 Professional.**

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