

VBOX Power Backup

(RLVBPBU)



The external VBOX Power Backup is designed to be used with the VBOX 3i and IMU04. Its purpose is to prevent the VBOX 3i and IMU04 losing power during a test when the power supply is temporarily interrupted, e.g. during engine cranking, when the vehicle stalls, or the VBOX unit has been disconnected too early.

By maintaining power supply to the VBOX 3i, the product prevents data loss and the need to repeat system initialisation procedures, such as the vehicle manoeuvres required to calibrate the IMU Kalman filter.



Connected between the vehicle power supply and VBOX 3i, the VBOX Power Backup is capable of storing enough energy to keep the VBOX 3i and connected IMU04 operating during a power supply interruption of up to 20 seconds. The VBOX Power Backup requires an input supply voltage of 10V or higher for over 60 seconds to provide the full 20 seconds of backup power.

Input power supplies between 6V and less than 10V will allow power to pass through to the connected VBOX 3i and IMU04, but will not provide charge to allow Power Backup functionality.

Features

- Effective power supply / backup for up to 20 seconds*
- Helps to avoid data loss
- Eliminates the need to repeat system initialisation procedures
- Audible indicator during discharge

* If additional Racelogic units or modules are used, the Power Backup duration can be significantly reduced.

Specification

Description	Values
Charge Time	60 seconds
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Dimensions	55 (w) x 125 (l) x 25 (h)mm
Weight	186g
Input Supply	6V to 30VDC
Output Supply	6V to 30VDC