

BLACK BOX CONTROL

8002C Recorder



With BlackBox Control onboard you can get live data using Australia's biggest cellular network. BlackBox has built a state of the art Recorder based on the best communications network to give you access to Australia's largest cellular coverage area for live asset monitoring at low cellular operating costs.

**LOCATION
ASSIST
TECHNOLOGIES®**

✓ THE BENEFITS

Intended for commercial vehicle tracking and asset monitoring applications

BlackBox has built a state of the art Recorder based on the Telstra Next G communications network to give you access to Australia's largest cellular coverage area for live asset monitoring at low cellular operating costs. The 8002C is intended for commercial vehicle tracking and asset monitoring applications where frequent live data is required. Should you manage to leave the Next G coverage area data will be stored for automatic transmission upon return to coverage or you can optionally combine it with satellite communications (model 8002CS) to get the best of both worlds - low cellular running costs and virtually anywhere in the world satellite communications.

We are proud of the 8002C for more than just its communications. It is our most advanced Recorder yet! It incorporates our experience to date over a wide range of applications that includes rugged mining applications in the hottest parts of Western Australia & the Territory to the windiest chilly parts of Tasmania. You can be comfortable that it was designed and developed in Australia for harsh Australian conditions.

It is also our platform for the IAP Certified program - this is something all heavy transport is watching and is expected to become the de-facto vehicle tracking standard for commercial and government customers in Australia. (An upgrade will be needed to

8002C Recorder

LAST UPDATED: 22/11/2011

meet IAP certification.)

The 8002C contains the latest high sensitivity GPS technology. To optimise the performance we also commissioned a new high performance antenna to help ensure that you can find your asset almost anywhere.

Next G + GPS Combination Antenna – available side or bottom cable entry. Typical applications include:

- ✔ **REAL TIME ASSET LOCATION** – get your assets to the right place at the right time!
- ✔ **MESSAGING** – optionally add a messaging screen for email to and from your field workers. Job allocation was never easier.
- ✔ **TELEMETRY** – for example interface with engine management modules, data loggers and a wide range of data sources to really watch your asset at work.
- ✔ **SENSOR MONITORING** – our customers are watching a wide variety of sensors to help them know what is happening, where and when. This includes Hi-Rail vehicles going on track, waste vehicles lifting bins, temperatures in multiple compartments in trailers, driver inputs, driver ID, engine hours in mining + construction equipment, passenger numbers on buses, ship + tender activity and many more innovative applications.
- ✔ **FATIGUE MANAGEMENT** – can you ring a driver that just exceeded his driving hours? BlackBox customers are already doing this and making their fatigue management administration a whole lot easier with automatic features.
- ✔ **FUEL MONITORING** – by watching what goes in, where it was purchased and what gets used you will understand your operating costs like never before. BlackBox customers have found huge fuel cost reductions by using better routes, managing the fuel account more efficiently and reducing waiting (idling) times and distance travelled.
- ✔ **COMPLIANCE** – be certain that contracts are being honoured, licenses are being respected, rules are obeyed, supply chain agreements are working...Valuable data to improve your bottom line.

The 8002C is uniquely configured to form a part of the fully integrated BlackBox Asset Monitoring Solution. At BlackBox we know that location technologies do more than just put your business on the map!

PRODUCT SPECIFICATIONS

ELECTRICAL

Supply Voltage	10-30VDC
Supply Current (max)	480mA max operational mode < 20mA sleep/standby

OPERATIONAL

Recording Interval	Configurable, range: 1 sec – 3600 seconds
Power Hold Time	Configurable, range: 1 min – 999 minutes

INPUT / OUTPUT PORTS

Direct Hardware Inputs	4, configurable as analog or digital 100k input impedance
Serial Ports	2x RS-232, 1x J1708/RS-485 (configurable)
Outputs	1x aux power output
Storage Capacity	> 100,000 position reports (>69 days at std configuration)
Storage Medium	Non-volatile FLASH RAM
GPS Sensitivity	-158dBm (tracking), -148dBm (acquisition)
GPS Accuracy	2.5m CEP

RF/CELLULAR

Frequency Ranges	Band class I : Tx 1920-1980MHz Rx 2110-2170MHz Band class V: Tx 824-849MHz Rx 869-894MHz
Transmit Power	Class 3 (+24dBm)
Receive Sensitivity	Band class I: -109dBm Band class V: -110dBm

CONNECTORS

Power/Data	DB25 Female
GPS	SMA (red)
GSM/WCDMA	SMA (blue)

MECHANICAL

Construction	Extruded Aluminium Case
Dimensions	150mm (L) x 33mm (H) x 103mm (W)
Weight	400g

ENVIRONMENTAL

Operating Temperature	-10°C to 60°C
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WARRANTY

12 Months

** The 8002C recorder employs a Sierra Wireless MC877V wireless module. For a complete listing of all applicable specifications and approvals please refer to Sierra Wireless document #2130700. CE0682 A-Tick N1246 Specifications are subject to change without notice. Products can be uniquely configured to suit specific applications by negotiation.

**BLACK
BOX
CONTROL**

BlackBox Control puts data, control and detail at your fingertips to give you the information you need, when you need it. Call us today and discover how we can help you get more out of your business.

1300 766 764

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Australia

More than just a dot on the map.

www.blackboxcontrol.com.au