



The BlackBox Control Recorder gives you more live data using Australian's biggest cellular network, or opt for GSM option to save on deployment costs.



✓ THE BENEFITS

Compact in size, it is easily installed into a wide range of vehicles and asset types.

The 300 is the latest state of the art Recorder from BlackBox. Available in either GSM or Next G Cellular configurations it gives you access to the appropriate cellular coverage area for your fleet to achieve live asset monitoring at low operating costs. It is intended for commercial vehicle tracking and asset monitoring applications where frequent live data is required. Should you leave the selected coverage area type, then data will be stored for automatic transmission upon return to coverage.

Compact in size, it is easily installed into a wide range of vehicles and asset types.

Designed to operate on the BlackBox system this Recorder offers two inputs and this means that you can monitor ignition status and perhaps the rear cargo door as standard. Requirements to monitor additional inputs should be directed to BlackBox for a more personalised solution, or for an alternative Recorder model.

BlackBox Message Screens can optionally be supported, including Garmin Navigational models. Thanks to the modular design, you can add a Messaging Screen if you need to send messages to your field staff. They can reply too. This is simply done using email and your existing IT infrastructure.

BBX-300 Compact Recorder

LAST UPDATED: 22/11/2011

The BlackBox Internal Combo GPS/NextG antenna is recommended for typical 300 installations.

BlackBox also has high performance external antenna options to suit specific installation requirements. Can be ordered with optional integrated GPS and cellular antenna and/or with battery options for portable style applications.

GSM/Next G + GPS Combination Antenna – suits glass mount or under dash installations. Typical 300 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 simple location requirements and on/off status.
- ✔ **SENSOR MONITORING** – our customers are watching a wide variety of sensors to help them know what is happening, where and when. This might include door open/closed, on-board crane used, PTO operation, driver seatbelt on or other simple inputs.
- ✔ **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.

Knowledge is power! The visibility of asset movement usually gives a huge level of understanding and comfort to enable business decisions to be made based on fact.

The 300 is uniquely configured to form a part of the fully integrated BlackBox Asset Monitoring Solution. At BlackBox, we know that location assist technologies do more than just put your business on the map!

PRODUCT SPECIFICATIONS

ELECTRICAL

Supply Voltage	8-30VDC
Supply Current (max)	1500mA max operational mode, < 20mA sleep/standby

OPERATIONAL

Recording Interval	Configurable, range: 10 second – 3600 seconds Normal range 60-300 seconds – default 60 seconds
Power Hold Time	Configurable, range: 1 minute – 999 minutes Default setting 90 minutes

INPUT / OUTPUT PORTS

Direct Hardware Inputs	2 digital, 100k input impedance By default 1 is assigned to ignition sensing
Serial Ports	1x RS-232 Typically for an optional BlackBox Messaging Screen
Storage Capacity	> 100,000 position reports
Storage Medium	Non-volatile FLASH RAM
GPS Sensitivity	-158dBm (tracking), -148dBm (acquisition)
GPS Accuracy	2.5m CEP

RF/CELLULAR

Frequency Ranges	GSM/GPRS or WCDMA
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CONNECTORS

Power/Data	Fly leads + RJ45,
GPS	SMA or integral antenna
GSM/WCDMA	SMA or wire whip

MECHANICAL

Construction	Extruded Aluminium Case
Dimensions	85mm (L) x 25mm (H) x 55mm (W)
Weight	200g

ENVIRONMENTAL

Operating Temperature	-10°C to 60°C
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WARRANTY

12 Months

**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.

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www.blackboxcontrol.com.au