

# RADIO DOWNLOAD SHORT RANGE SYSTEM

The EarthTrack™ Radio Download (short range) system has been designed specifically to be a licence free short range down loading system. The system allows site operators to easily collect data from a fleet of equipment without having to physically go on board each machine to download the information. The system utilises the existing Digital Logging Device (DLD) with the addition of a low power radio transmitter module. The handheld downloader, with the addition of a radio docking station and antennas allows the retrieval of data from each machine via radio signal. This process dramatically reduces the time taken for the operator to collect data from a fleet of machines and allows information to be retrieved from each machine at anytime without causing machine downtime.

The radio download system simply requires the operator to drive into radio range of a machine fitted with a DLD and radio transmitter module. Once in range, the system will automatically start down loading the data from the machine. If there are two or more machines within range of the operator, the system will download each machine individually. The display on the handheld downloader will indicate to the operator when the down loading process for each machine has started/finished.

The radio download docking station can either be mounted into a service vehicle, or it can be left semi-portable in any vehicle where a 12 volt power source is readily available. Mounting is recommended if the same vehicle is to be used for down loading purposes.

The downloader will not accept duplicated data. When the operator passes machines that have already taken data, the system will automatically bypass that machine. To download a second time from the same machine, the operator must manually select a button on the handheld downloader to activate the system.

The radio download system is specifically designed for low power, licence free radio communications. With the correct antenna set up on a line of sight application, it can download up to 500 metres from the edge of the pit to a machine such as an excavator. However, the general range is approximately 50 metres.



## FEATURES & BENEFITS

- Time saving, efficient, safe data collection process
- Machines can be downloaded while they are working
- Enables data collection at anytime without data duplication
- High speed data transfer rate up to 38,400 baud
- Easy machine upgrade for existing DLD systems by establishing regular safety checks



1	Part No. 3370	Digital logging device
2	Part No. 1350	DLD radio module
3	Part No. 3258	Antenna kit
4	Part No. 3371	Handheld downloader
5	Part No. 4274	Radio docking station module

Note: Radio down loading will only work on TimeMaster™ software version 1.73 or greater. The software can be provided as an upgrade.

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