Rosslare’s DigiTool® GC-01 reader is part of Rosslare’s DigiTool® guard patrol system encompassing a complete range of professional, leading-edge, high-quality, high-performance products for private and public sectors. Designed for the rigors of guarding, this reader is an advanced waterproof, lightweight, and rechargeable handheld reader for metallic numeric Dallas iButton™ chips.

The DigiTool® GC-01 packs features such as a large memory, extended rechargeable battery life for ultimate guarding on the go, and rugged housing.

GENERAL DESCRIPTION
Rosslare’s DigiTool® GC-01 reader is designed with a focus on high quality and reliability. It is a lightweight hand-held iButton reader intended for trouble free Guard Patrol Touring applications. The DigiTool® GC-01 reader collects raw data of guard usage, tours, location tags, user, and event tags. It has three modes of notification for providing confirmation of tag data acquisition. Raw data is downloaded to the GS-01 Reports Lite software, which provide tour management and archival features of the guard patrol system. The software is used to generate reports and analyze data.

The DigiTool® GC-01 reader has an internal 1800 mAh Lithium-ion rechargeable battery, which can provide over 300,000 reads or 6 months of use before recharging. When used with the GA-06 leather holster, the DigiTool® GC-01 reader can be worn on a belt for convenient transportation.

MAIN FEATURES
- Low battery and memory full alerts by means of vibration, visual, and audio beeps
- Three modes of notification:
  - Built-in 360° LED array for increased visibility of valid iButton reads
  - Built-in vibrating motor for tactile read confirmation
  - Built-in buzzer for audio read confirmation
- High capacity rechargeable internal 1800 mAh Lithium-ion battery
- Highly rugged and waterproof (meets IP-68 level tests)
- 9600 baud speed uploading/downloading speed

PROFESSIONAL GRADE FEATURES
- Flexibility with the option to select models with Dallas iButton ID chip
- Tamper evident seals
- Polycarbonate and carbon-hardened stainless steel casing, ensuring its lightweight, portability, and durability
- High capacity, can hold 8,000 events in non-volatile memory
# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS
- **Operating Voltage Range**: 3.0–3.6 VDC
- **Input Current, Max.**: Standby: 6 μA; Maximum: 21 μA

## OPERATIONAL SPECIFICATIONS
- **Uploading/Downloading Speed**: 9600 baud speed
- **Time and Date Stamp Memory**: Real time clock inside saves date and time
- **Number of Reads**: Stores up to 8000 reads and time stamps
- **Battery**: Internal Lithium-Ion 1800 mAh rechargeable battery for six month use or 300,000 readings
- **Battery Charging Time**: Battery charges in three hours from empty to full
- **Buzzer Sounder Indication**: Internal sounder for audio verification
- **LED Indication**: Four ultra-bright LEDs visual read validation
- **Data Read Speed**: 0.1 seconds per read
- **International Safety and EMC**: Complies with International Safety and Emissions Regulations

## ENVIRONMENTAL SPECIFICATIONS
- **Operating Temperature**: -31°C to 63°C (-25°F to 145°F)
- **Operating Humidity**: 0 to 95% (non-condensing)
- **Operating Environment**: Suitable for outdoor use (IP68 rated)

## PHYSICAL SPECIFICATIONS
- **Dimensions (H x Diameter)**: 175 x 33 mm (6.9 x 1.3 in.)
- **Weight**: 225 g (0.5 lb)
- **Construction materials**: Polycarbonate and stainless steel housing

This product integrates with other DigiTool® family of Guard Patrol products:
- GC-02 Data Acquisition Reader Base
- GC-03 Data Acquisition Reader Charger
- GA-01 Location tag, available in several colors
- GA-02 Event Wallet
- GA-12 Digital Event Wallet

**GUARD PATROL KITS**
- GCK-01 – DigiTool® Starter Kit
- GCK-02 – DigiTool® Basic Remote Kit
- GCK-03 – DigiTool® Guard Patrol Upgrade Kit
- GCK-04 – DigiTool® Guard Patrol Basic Kit

**PRODUCT WARRANTY**
2-Year Limited Product Warranty

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## ABOUT ROSSLARE SECURITY

www.rosslaresecurity.com

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Dallas iButton™ is a trademark of Dallas Semiconductor.