



GE MDS

PRODUCT RELEASE NOTE

RELEASE NOTE for: DGT Firmware Version 2.1.2

RELEASE DATE: 22-AUG-2008

FIRMWARE

©2008 GE MDS LLC, 175 Science Parkway, Rochester, NY 14620 USA
Phone +1 (585) 242-9600, FAX +1 (585) 242-9620, Web: www.gemds.com

DGT Firmware - Version 2.1.2

Overview

This document describes firmware updates for the DGT product-line.

Products: DGT-U, DGT-D, and DGT-R

Version: 2.1.2

Release Date: 22-AUG-2008

Important Note

Version 2.1.2 DGT firmware contains a new wireless protocol. This protocol is not compatible with the protocol used in version 1.0.0 firmware. As a result, all DGT devices in a network must be upgraded to version 2.1.2 (or later) in order for the network to operate with the new protocol.

New Features

1. New wireless protocol with reduced worst-case transfer trip latency. Performance...
 - Transfer Trip Time (DGT-U to DGT-D)
 - Average: 17 ms
 - Maximum: 30 ms
 - Status Confirmation Time (DGT-U to DGT-D and back to DGT-U)
 - Average: 60 ms
 - Maximum: 300 ms

Changes to Existing Features

1. Added RSSI and transmitter output power values to the diagnostics text file.
2. 32-bit CRC protection of wireless data packets

Defect Fixes

1. None

Known Errata

1. Transmit power reverts to 30dBm after power cycle.
 2. When a DGT-D or DGT-U unit is powered on, the service output turns on for 1200ms and then turns off. After power on processes have completed, the service output operates correctly.
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Operational Notes and Limitations

1. The DGT system exhibits outstanding performance under most operating conditions. For best performance, we recommend installations with at most 15 miles between units, and the RSSI (Received Signal Strength Indicator) of each unit should be greater than -80 dBm.