

DM DOT GLOW

Bluetooth® Low Energy (BLE) Beacon



- Low-power Bluetooth beacon with a **high bright LED**, activated via a mobile app.
- Seamless integration with Digital Matter Bluetooth Gateway devices.
- Powered by pre-installed 580mAh coin cell battery with low battery alerts.
- Easy and secure configuration via companion mobile app (Android & iOS).



Digital Matter BLE Ecosystem



'Deploy Once' Battery Life



Ultra-Rugged & Waterproof



Highly Configurable



Encrypted Configuration



White-Label & Integration Ready

Bluetooth Low Energy 6.0

Quickly detected by Bluetooth gateways.

Track and Identify

Identify assets by broadcasting to nearby gateways. Mobile-activated high bright LED allows users to visually locate specific assets when in range.

Secure App Configuration

Configure all settings using Digital Matter's Provisioning App. Prevents unauthorized access and simplifies setup.

'Deploy Once' Battery Life

Operates for years on a single CR2450 battery with low battery alerts.

Ultra-Rugged

IP68 and IK07-rated housing resists dust, water, and impact for reliable use in harsh environments.

Wire-Free Installation

Multiple installation options for securing device to asset or concealing within.

Track Longer with Industry-Leading Battery Life

Beaconing and Power	5 Seconds 2 dBm	3 Seconds 4 dBm	2 Seconds 8 dBm
Estimated Battery Life*	7+ Years	6+ Years	5+ Years

SUPPLY CHAIN & LOGISTICS | EQUIPMENT | BINS & CONTAINERS | MEDICAL | & MORE

* Pending full energy profiling. Battery life estimates are influenced by several factors including parameter configuration, temperature, installation and orientation of the device, sensor integrations, peripherals, accelerometer settings, and more. Battery life calculators are available at support.digitalmatter.com.

Connectivity

Bluetooth Beacon Ultra-low-power chip with Bluetooth Low Energy 6.0

Transmission Power 8 dBm TX Power (max)

Power

Non-Replaceable Batteries 1 x CR2450 3V, 580mAh
Battery pre-installed

Battery Type Lithium (LiMnO₂)

Battery Life Estimates*
5s advertising interval, 2dBm – **7+ years**
3s advertising interval, 4dBm – **6+ years**
2s advertising interval, 8dBm – **5+ years**
Frequent local activation of the LED will reduce the advertised battery life.

Sleep Current <10uA
Average current in lowest power state.

* Battery life estimates are influenced by several factors including parameter configuration, temperature, installation and orientation of the device. Battery life calculators are available at support.digitalmatter.com.

Mechanics / Design

Dimensions 59 x 42 x 13 mm (2.32 x 1.66 x 0.51")

Device Weight 20 g

Housing Translucent non-branded nylon glass housing is suitable for white labeling but bears an etched QR code with the MAC address of the device.

IP/IK Rating Ultra-rugged and waterproof IP68 and IK07-rated housing ensures the device can withstand impact, fine dust, and brief submersion.

Installation Compact and concealable. Multiple installation options for covertly and easily securing the device to assets with screws, bolts, cable ties, rivets, and more.

Temperature Range	Operating: -30°C to +60°C Recommended Storage: 10°C to 30°C, Humidity 30%. Store in a cool, dry place.
-------------------	--

Bluetooth Antenna	Internal
-------------------	----------

High-Bright LED	Mobile-activated high-bright red LED facilitates visual asset identification when in range.
-----------------	---

Smarts

Adaptive Tracking	Configure parameters to balance efficiency and advertising rate.
-------------------	--

Battery Life Monitoring	'Battery Low' alert levels.
-------------------------	-----------------------------

Device Management

Configuration App	Configurable with Digital Matter's provisioning app.
-------------------	--

Integration

Digital Matter Gateways	Effortless integration with Digital Matter Gateways.
-------------------------	--

Third-Party Integration	Data can be obtained by third-party hardware via BLE Advertising Payload.
-------------------------	---

Security

Data Security	Military-grade AES-256 Encryption from device to Companion App to protect the device from being reconfigured/updated by unauthorized users.
---------------	---

Warranty

Manufacturer's Warranty

Two-year manufacturer's warranty. [Exclusions apply.](#)

Certifications

Please view our knowledge base for [regulatory and network certifications.](#)
