

I-POLL 2.0

UHF Handheld Device

Quick Starter Guide

|  |  |
| --- | --- |
| iDTRONIC GmbH  Donnersbergweg 1  67059 Ludwigshafen  Germany/Deutschland  Phone: +49 621 6690094-0  Fax: +49 621 6690094-9  E-Mail: info@idtronic.de  Web: idtronic.de | Issue 1.0  – 24. September 2018 –  Subject to alteration without prior notice.  © Copyright iDTRONIC GmbH 2018  Printed in Germany |

Contents

[1 Description 4](#_Toc516472082)

[2 Technical Data 5](#_Toc516472086)

3 [List of Figures 6](#_Toc516472087)

[3.1 General overview 6](#_General_Overview)

[**3.2 Charging Interface 7**](#_Toc516472084)

[**3.3 USB / Bluetooth Interface 8**](#_Toc516472085)

3.4 LED Status 9

3.5 Display Icons 9

3.6 Buttons 10

3.7 Modes 10

4 Android Test Program 11

4.1 Download 11

4.2 Configuration Tab 11

4.3 Scan Tab 35

4.4 App Tab 39

5 PC Test Program 43

# Description

This document provides information on using the I-POLL 2.0 functions and accessories. The I-POLL is a UHF (900MHz) RFID and Scanner Reader that quickly recognizes EPC Global Gen2 compliant RFID tags and barcodes. The recognized results are transmitted to your smartphone, tablet, PC, etc. via USB, Magconn™and Bluetooth, both wired and wirelessly. The I-POLL 2.0 offers the highest grade (IP68) waterproof and dustproof compliance for stronger product stability against the outside environment.

**Additional relevant Manual**

I-POLL 2.0 Programmers Guide

# Technical Data

|  |  |
| --- | --- |
| Electrical Specifications | |
| Power Supply | 3,399mA, Battery, Standby Mode (40hours) |
| Charging | Micro USB, Magconn / 1.0A Full charging time 5 hours |
| Operating Frequency | 900Mhz |
| Antenna | Internal |
| Scanner | 1D Scanner/ 2D Imager option |
| Reader IC | Impinj R-200 chipset |
| RFID Protocol | EPC Global Gen2 |
| Interfaces | MicroUSB, Bluetooth 4.1 |
| Display | Blue OLED LCD |
| Data Storage | Max 1000EA, 60Byte Unit |

|  |  |
| --- | --- |
| Mechanical Specifications | |
| Dimensions | 64 x 220 x 27mm |
| Weight | 265 g |

|  |  |
| --- | --- |
| Environmental Conditions | |
| Operating Temperature | 0 °C … +50 °C |
| Storage Temperature | -10 °C … +65 °C |
| Humidity | up to 95 %, non-condensing |

|  |  |
| --- | --- |
| Supported Standards / Tags | |
| UHF | EPC C1 GEN2 / ISO18000-6C |

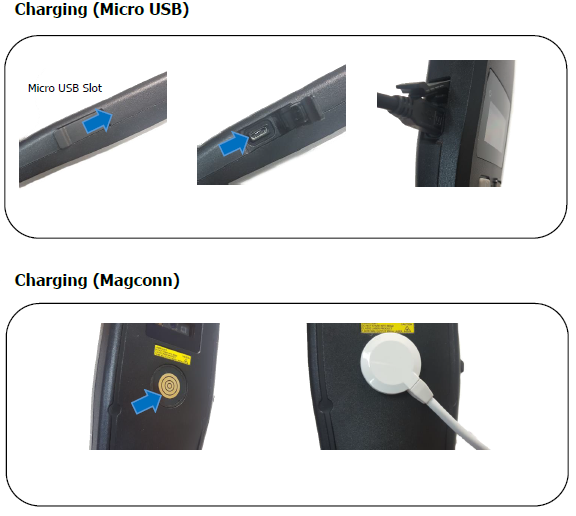
|  |  |
| --- | --- |
| SDK Information | |
| Supported OS | Android 5.1 (7.1) |
| Demo Software | Windows; Android; iOS 7 |

# List of Figures

## General Overview



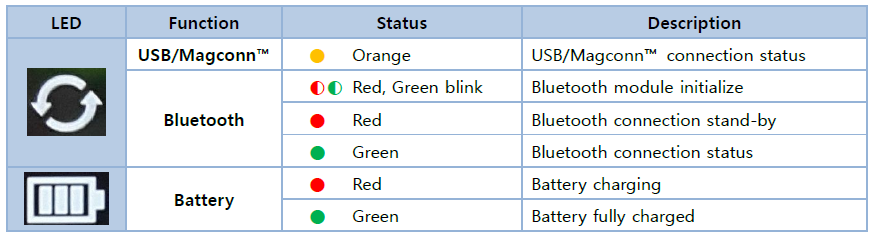
## Charging Interface



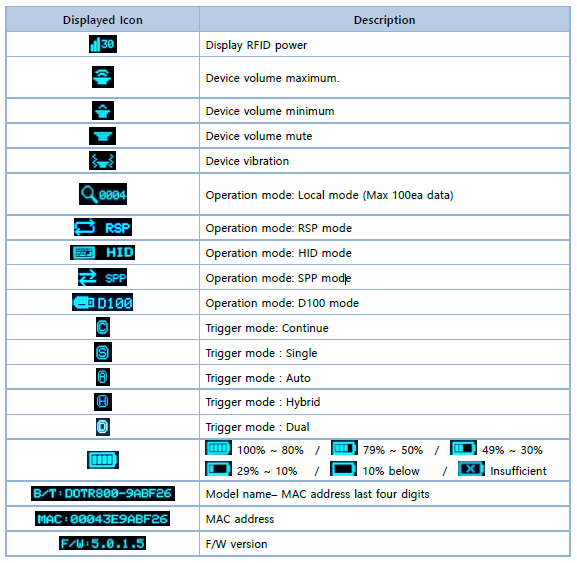
## USB 2.0 / Bluetooth 4.0 Interface



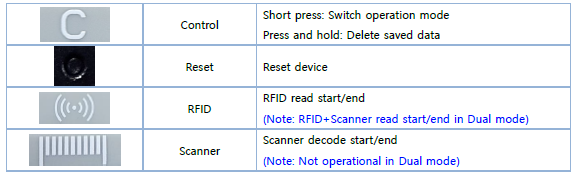
## LED Status



## Display Icons



## Buttons



## Modes

