IDBLUE®

MOBILE | RFID | SOLUTIONS

# IDBLUE R8 USER GUIDE

# Contents

## Disclaimer



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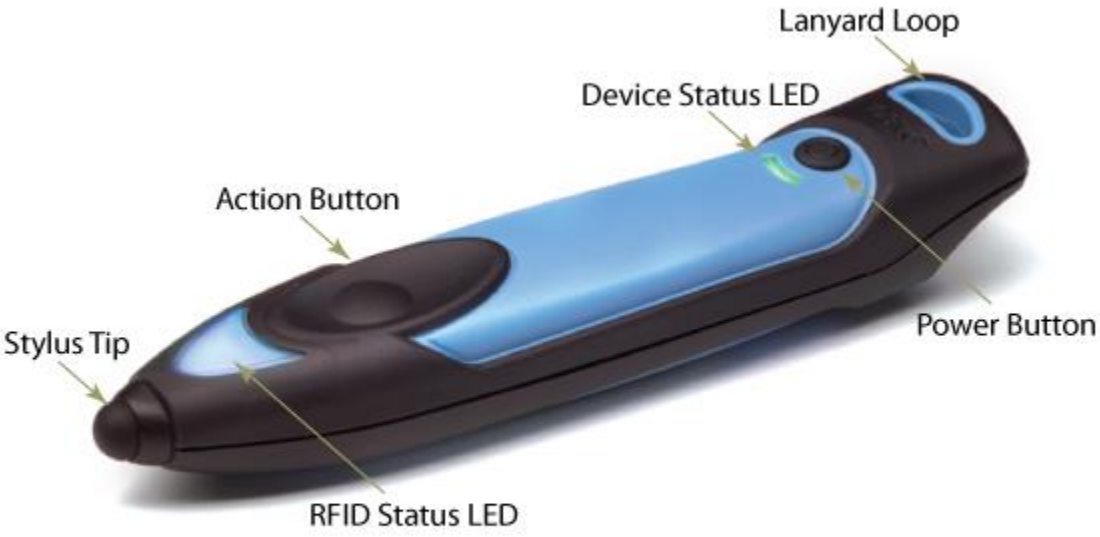
## Device Overview

Please take a moment to examine IDBLUE R8, and familiarize yourself with its components.

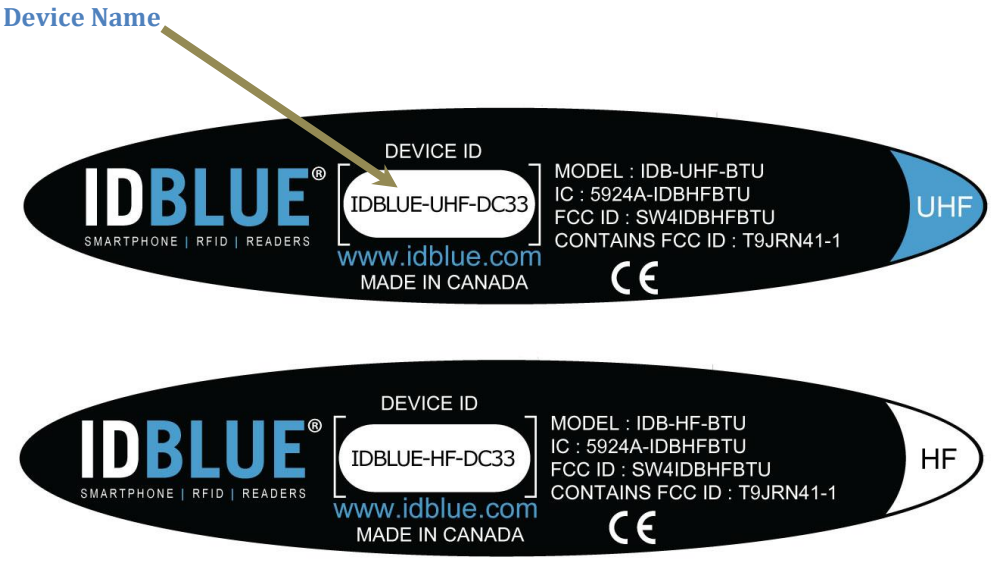
### Components:

1. USB Port
2. Stylus Tip
3. RFID Status LED
4. Action Button
5. Device Status LED
6. Power Button
7. Lanyard Loop

## Identifying the device name

The device name is printed on the back label of the device. The default name is a combination of the hardware revision (Revision 8 in the example below), and the last 4 digits of the Bluetooth® address (**DC:33** in the example above).



# Getting Started

This section covers how to get up and running with your new IDBLUE R8, including charging, device usage, and Bluetooth configuration.

## Charging the IDBLUE R8 Device

Please ensure that IDBLUE R8 is fully charged before each use. Before initial use, the device must be charged for at least 2 hours. Subsequent recharging should take a maximum of 1 to 1.5 hours typically.

Use the supplied USB cable and wall adapter to charge IDBLUE R8

IDBLUE R8 will not charge with a 100mA USB charge source when it is turned on as the device draws more current than is provided.

## Using IDBLUE R8

This section covers the basic operations for using IDBLUE R8, including turning the device on and off, and how to use the device's user interface to read RFID tags.

### Turning the device on

Turn on IDBLUE R8 by pressing and holding the power button for approximately 2 seconds.

When the device is powered on, the rear LED will turn green. At this point you can release the rear button while the device finishes powering up. Once the device has powered up, the device will emit two high tones and both the ***device status LED*** and the ***RFID Status LED*** will display two green flashes.

### Turning the device off

There are a number of methods with which to shut down IDBLUE R8.

1. The device may be manually shut down by pressing and holding the ***power button***, found on the rear of the device for at least 2 seconds. This is the recommended method to shut down the device. In this case, the device will emit two high tones and the device status LED will display two green flashes before shutting down.

2. Each IDBLUE R8 has a *Device Timeout* setting that causes the device to automatically power down after a period of inactivity (where inactivity is defined as a period of time with no button press or commands sent to the device from a connected application). Set your device timeout to a suitable value for your application. The device timeout can be set under the 'Basic Device Settings' using IDBLUE Manager.

3. IDBLUE R8 may be shut down via a command sent from a connected application.

## Connecting to an iOS device

IDBLUE R8 can be used with your iPhone or iPad device, by connecting it via Bluetooth. To do this, go to your device's Bluetooth setting page, located under the "General Settings" section. IDBLUE is always in discoverable mode while on, so it will appear in your Bluetooth Devices list within a couple of seconds. At that point, you can click on that list item to pair and connect with IDBLUE. If prompted for a passcode, enter "0000". From then on, your IDBLUE will be saved in your Bluetooth Devices list until you select "Forget this device".

When connected, you will see the Magenta flash of the Device Status LED change to Blue (note: as described later, the other flash of the Device Status LED indicates battery level).

When IDBLUE powers up, it will attempt to automatically connect to the last paired iOS device.

## Reading and Writing RFID Tags

IDBLUE R8 can perform a wide range of RFID related operations, including scanning tags, reading and writing data to/from RFID tags, etc. All of these operations are typically driven by pressing and releasing the ***action button***.

By default, IDBLUE R8 is shipped to you in *Tag Verify* mode. This mode will allow you to become more familiar with the device, ensure it is working properly, and check tag compatibility.

## Scanning a tag

1. Ensure that the device is powered on and ready for use.
2. Press and release the **action button** on IDBLUE R8.
3. The **RFID Status LED** will change to *blue* to indicate that the device is "busy" (i.e. attempting to scan RFID tags).

4. Move the tip of the IDBLUE device close to the tag – the optimal read range for most tags will be 2-3 cm.

5. Upon a successful tag read, the device will emit a high tone and the **RFID Status LED** will flash *green*

6. If the device cannot find the tag before the operation times out, the **RFID Status LED** will flash *red*. ***Note: the default RFID timeout value is four (4) seconds. This value can be configured using IDBLUE Manager.***

**NOTE:** Unless specifically noted otherwise, to "press" the button on the IDBLUE device means to press and release the button.

## Performing a device reset

In the unlikely event IDBLUE R8 becomes unresponsive, it will be necessary to perform a device reset. To reset the device, press and hold both the power button and the action button simultaneously for at least 3 seconds. While holding both buttons, the reading status and device status LEDs will display a solid cyan color. When both of these LEDs turn off, the device has performed a reset. Release both buttons. To power the device back up and continue using it press and hold the rear button for 2 seconds.

## User Feedback

This section details how the user interface elements of IDBLUE R8 respond to different events and device states. IDBLUE R8 provides user feedback through three different methods:

1. Device Status LED – Provides feedback on battery level and communication status.
2. RFID Status LED– Provides feedback on RFID related events
3. Audio Buzzer – Provides feedback on RFID and transition events

### Device Status LED

The device status LED displays the status of the power and communications of the device. The patterns of colors displayed will differ depending on if the device is on or off, and charging or not charging.

#### Not Charging

When on but not charging, the device status LED default value is off, and will flash two consecutive colors in a continuous pattern. The first flash indicates power (battery level) and will be either Green, Yellow, or Red, indicating a High, Medium, or Low battery level respectively. The second flash indicates communication status, where Magenta indicates not connected, and Blue indicates connected.

#### Charging

When charging, the power LED is normally on and will show the color indicating the battery level as described in the “not charging” case. It will intermittently flash a single color indicating the communication status, again as described in the “not charging” case.

### RFID Status LED

The Reading Status LED will display feedback on RFID operations.

### Audio Buzzer

The audio buzzer will provide audio feedback on various connection and RFID events.



## FCC Disclaimer

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not in-stalled and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

*Warning! Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment*

*Cet équipement a été testé et trouvé conforme aux limites pour un appareil numérique de classe B, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en mettant l'équipement hors tension, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:Réorienter ou déplacer l'antenne de réception.*

- *Augmenter la distance entre l'équipement et le récepteur.*
- *Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.*
- *Consulter le revendeur ou un technicien radio / TV expérimenté.*

*Attention! Les changements ou modifications non expressément approuvés par le fabricant peuvent annuler le droit de l'utilisateur à utiliser cet équipement*

## Troubleshooting

For the most up-to-date FAQ and other support information, please consult IDBLUE R8 support website at:

http://www.idblue.com/support.aspx



## Contact Information

For more information about IDBLUE R8 and other IDBLUE products and services:

| | |
|---|---|
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