

SMARTLINK

USER GUIDE



BY

SMART LABEL SOLUTIONS



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INTRODUCTION:

The SLS smartLINK is the most versatile UHF RFID reader device in the world – it can be used as a small form factor desktop reader, worn on the wrist, or extended on a telescoping pole.

As a wristband reader, it enables hands-free inventory/cycle count while working – merchandising a retail store, packing a carton with item-level tagged assets, building a pallet of RFID-labeled cartons, etc.

As a small desktop reader, the use cases are Point-of-Sale or display/demo kiosk.

It also can connect to a telescoping pole for inventory on higher shelves, read cattle ear tags from a distance.

The SLS smartLINK reader works with Android, iOS and Windows to provide access to RFID tag data.

Enabled with Bluetooth Low Energy (BLE) technology, the smartLINK offers long battery life both while in use and in standby mode.

TECHNICAL SPECIFICATIONS:

- Air Interface Protocol: ISO 18000-63 (RAIN RFID)
- Operating Frequency: One of the following: 865-868 MHz (ETSI), 902-928 MHz (FCC), 917-927 MHz, 920-925 MHz
- Data Interface: Micro USB, BLE (Bluetooth 4.2)
- Dimensions: 44 x 64 x 13 mm (1.75" x 2.5" x 0.50") ; Wristband – 286mm (11.25")
- Weight: Including Wristband – 59g (2.1oz); Without Wristband – 37g (1.3oz)
- Operating Temperature: -20 °C to +60 °C (-4 °F to +122 °F)
- Battery Life up to 40,000 readings, Standby Time: 24 hours (24 hours in idle mode)
- OS Compatibility:
 - API/SDK Version: Android, iOS
 - Bluetooth Keyboard Emulation Version: Android, iOS, Linux, OSX, Windows

1.1 Basics:

1.1 Powering On

To power on device simply flip the switch on side as shown below:



Upon powering on, the screen will display one single green LED light.



1.2 How to Charge:



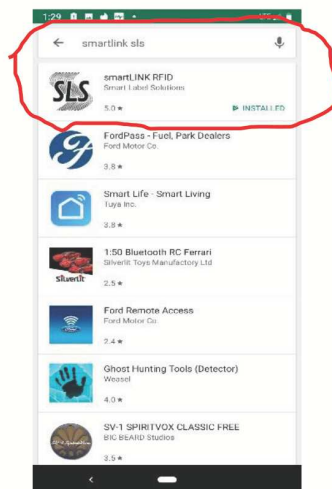
The smartLINK can be charged via micro USB. Connect directly to the port on its side (shown in photo).

2.0: Getting the smartLINK App

2.1 Downloading the smartLINK App:

Initially you will need to go to the Google Play Store(android) or App Store(iOS) and download the smarLINK RFID app.

Type in “smartLINK SLS” into the search bar of the google play store/app. It should show up on the top of the list:



2.2 Connecting to the smartLINK Device

To pair the smartLINK device with the mobile app simply open the app and you will be prompted with a list of smartLINK devices available for use.



The "0004" corresponds to the last 4 digits of the serial number of the smartLINK (visible on the back of the device).

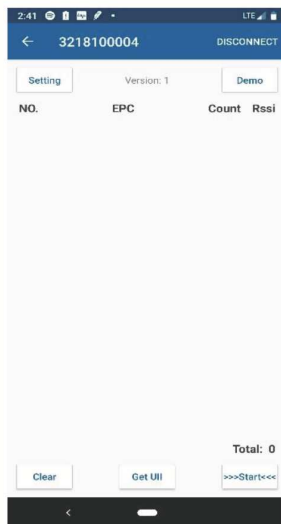
The "-42dB" is the signal being received by your mobile device from the smartLINK. This indicates how close the smartLINK is from your mobile device. You'll notice this number turns more negative when your mobile device is further away from the smartLINK and more positive as you bring it closer to the smartLINK.

This helps to differentiate smartLINK devices in a scenario where there are multiple on and ready for connection. The smartLINK you pick up and are holding nearest to you (your mobile device) will have the least negative dB value (i.e -25dB is probably the one you have in your hand if the other devices are all showing -53dB)

The smartLINK will display two solid green lights on the screen when paired and connected with a mobile device:



2.3 Using The smartLINK App:



The picture on the left shows the smartLINK app screen just as you connect to it. The number on the top left corresponds to the serial number of the connected smartLINK device.

You can select “start” on the bottom right to start reading RFID tags.

The picture on the right shows the smartLINK running and reading RFID tags.

This list shows 3 things: the Electronic Product Code (**EPC**) of each individual RFID tag, the amount of times that tag was read (**count**), and how strong of a signal was sent by that tag (**RSSI**).

Selecting the “Settings” icon on the top left will allow you to get information on battery life as well as configure the transmit power.

