

# RP300

## UHF RFID Mobile Reader



### Quick Start Guide

V1.2

### ► Package

Please make sure the following contents are in the RP300 gift box. If something is missing or damaged, please contact your Unitech representative.

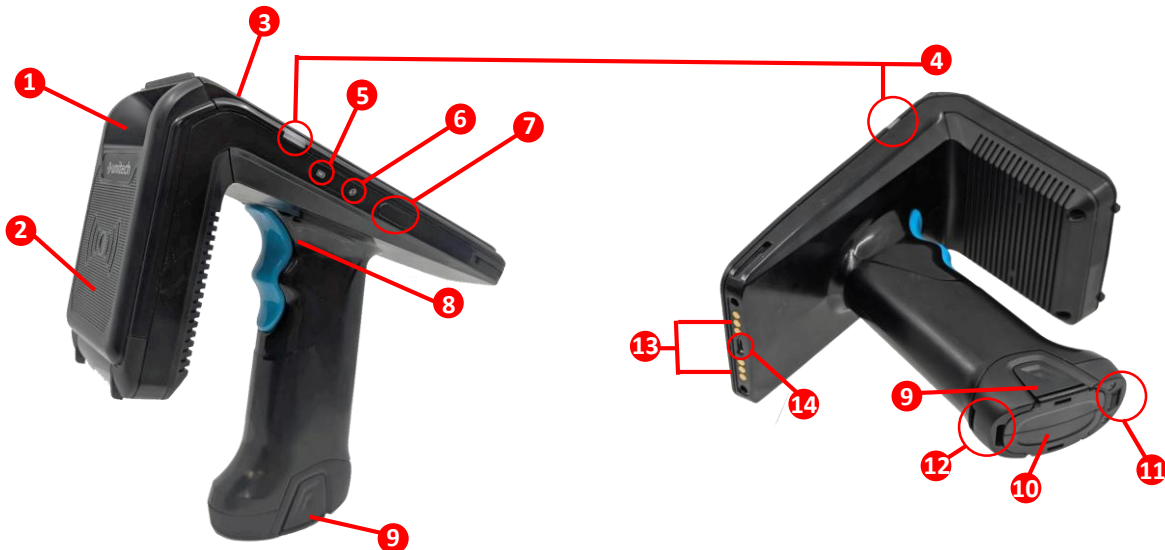
#### ► The Package Contents

- RP300
- Battery
- Wrist Lanyard
- RFID Tag\*5
- RFID Device QR Code Card

#### ► Optional Accessories

- RP300 Gun Battery (7000 mAh)
- USB-C Adapter (45W)
- 1-Slot Charging Cradle
- 3-Pin Power Cord (EU / US / UK)
- Holders for EA660

### ► Product View



1. Scan Window
2. Antenna Area
3. Top Cover
4. Status LED
5. Power LED

6. Communication LED
7. Communication Key (BT / USB)
8. Trigger Key (RFID / Barcode)
9. Battery Release Key
10. Battery

11. Battery Lock
12. wrist lanyard Attachment Point
13. POGO Pin
14. USB-C Port

## ► Install the Battery

Align the battery into the battery slot from the bottom, then press down until you hear a **"CLICK"** sound.



## ► Remove the Battery

Unlock and hold the battery latch, then grasp both sides of the battery release keys and pull out the battery to remove it.



## ► How to Attach the Wrist Lanyard

1. Insert one end of the wrist lanyard through the wrist lanyard attachment point on the bottom of the RP300.



2. Pull the other end through the top opening to secure.



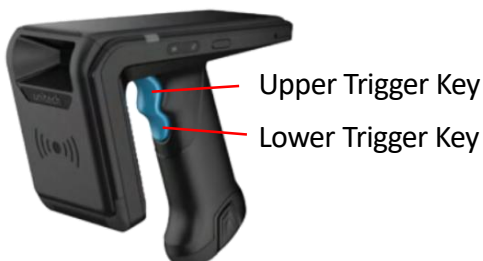
### Note:

*If you need to attach the wrist lanyard, it is recommended to do so before installing the battery.*

## ► Getting Started

RP300 supports multi-platform applications: Standalone Use, Android Compatibility, and iOS Compatibility.

| Standalone Use                                                                      | Android Compatibility<br>(Requires optional holder accessories)                                                | iOS Compatibility<br>(Requires optional holder accessories)                           |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <br>Supported Device: EA660 |  |



|                   | RFID + 2D Model                                     | RFID-only Model     |
|-------------------|-----------------------------------------------------|---------------------|
| Upper Trigger Key | Scan Barcodes                                       | Read RFID tags Only |
| Lower Trigger Key | Read RFID tags                                      |                     |
| Both Triggers     | Scan barcodes or read RFID tags based on the target |                     |

**Note:** Trigger Key can be reconfigured via TagAccess software.

## ► How to Mount the EA660

1. Remove the Top Cover.



Top Cover

2. Align the holder's POGO Pin with the center POGO Pin slot and press it firmly into place.



### Mount the Holder



Front Side of EA660 Holder

3. Use a screwdriver to secure the four large screws at each corner.



4. Slide the EA660 into the holder and insert the bottom USB-C port into the holder's USB-C connector.

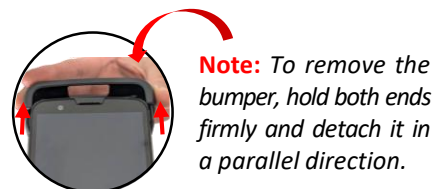


### Remove the EA660

The EA660 can be easily removed by sliding it upward.



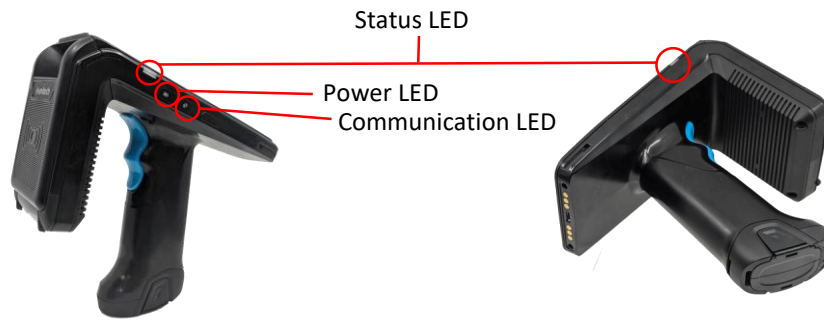
5. Hold both ends of the bumper and align it with the top of the holder. Attach it in a parallel position, then tighten the small screws on both sides using a screwdriver.



**Note:** To remove the bumper, hold both ends firmly and detach it in a parallel direction.



## ► LED Indication



### Status LED

| Status                            | LED            | Beeper                 | Description                                                                                                                                                                       |
|-----------------------------------|----------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Barcode Scan Decode / RFID Decode | Green          | One Short Beep         | Decode Successfully                                                                                                                                                               |
| Scan Error / RFID Error           | Red for 2 Sec. | High-Low-High-Low-High | When any of the following occurs: <ul style="list-style-type: none"> <li>• Battery Level Below 5%</li> <li>• Internal Buffer Full</li> <li>• Data Transmission Failure</li> </ul> |

### Power LED

| Status                                                | LED                            | Beeper                 | Description                                      |
|-------------------------------------------------------|--------------------------------|------------------------|--------------------------------------------------|
| Battery Level<br>(No external power supply connected) | Green                          | -                      | Battery Level over 50%                           |
|                                                       | Green Blinks Once Every 2 Sec. | -                      | Battery Level Over 20%                           |
|                                                       | Red                            | -                      | Battery Level 5%-20%                             |
|                                                       | -                              | One Beep               | Battery Level Below 5%<br>(Enter Low Power Mode) |
|                                                       | -                              | -                      | Suspend or Low Power Mode                        |
| Charging<br>(External power supply connected)         | Green Blinks Once Every Sec.   | One Beep               | Battery Charging                                 |
|                                                       | Red Blinks Once Every Sec.     | High-Low-High-Low-High | Battery Charging Error                           |
|                                                       | Green                          | One Beep               | Battery Fully Charged (100%)                     |

### Communication LED

| Status      | LED                                        | Beeper                                                                                                                         | Description                |
|-------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| BT SPP Mode | Blue Blinks Once Every Sec.                | -                                                                                                                              | Waiting for BT Connection  |
|             | Blue                                       | <ul style="list-style-type: none"> <li>• Connection: Ascending Triplet</li> <li>• Disconnection: Descending Triplet</li> </ul> | BT Connected               |
| BT HID Mode | Blue Blinks Twice Shortly Every 2 Sec.     | -                                                                                                                              | Waiting for BT Connection  |
|             | Blue                                       | <ul style="list-style-type: none"> <li>• Connection: Ascending Triplet</li> <li>• Disconnection: Descending Triplet</li> </ul> | BT Connected               |
| USB Mode    | Red Blinks Once Every Sec.                 | -                                                                                                                              | Waiting for USB Connection |
|             | Red                                        | <ul style="list-style-type: none"> <li>• Connection: Ascending Triplet</li> <li>• Disconnection: Descending Triplet</li> </ul> | USB Connected              |
| FW Update   | Blue & Red Flash Alternately at High Speed | <ul style="list-style-type: none"> <li>• Success: One Long Beep</li> <li>• Fail: High-Low-High-Low-High</li> </ul>             | FW Update in Progress      |

#### Communication Key — Switching Modes:

- Hold the key 2 seconds to switch modes: BT SPP / BT HID / USB.
- When the mode changes: 1 long beep & Communication LED changes (see the table above).

**Note:** When not connected to a host device, the RP300 automatically switches to Batch Mode and stores data locally. Once connected to an Android or iOS device, Batch Mode is disabled and the data is transferred to the host.

## ► How to Connect TagAccess Software



Download **TagAccess** from our website to prepare for scanning.

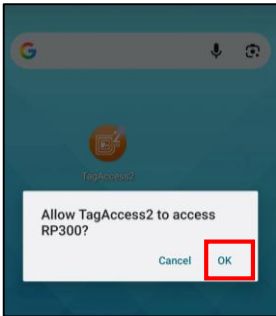
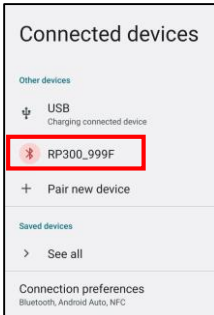
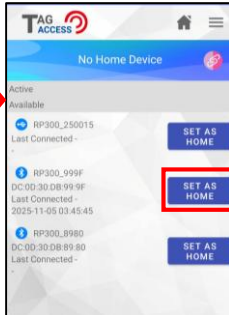
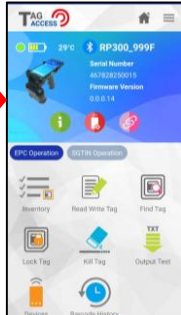
<https://www.ute.com/en/products/detail/RP300>



Red LED: USB Mode



Blue LED: BT SPP Mode

| <b>USB Mode</b><br>RP300 Communication LED blinks red –<br>Waiting for USB Connection                                                                               | <b>BT SPP Mode</b><br>RP300 Communication LED blinks blue –<br>Waiting for BT Connection                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Connect the EA660 to the RP300 — a pop-up will appear.<br>2. Select “OK” and open the app to start scanning.                                                     | 1. Turn on Bluetooth on the EA660 and connect to the RP300.<br>2. Open the app and activate the RP300 to start scanning.                                                                                                                                   |
|   |    |

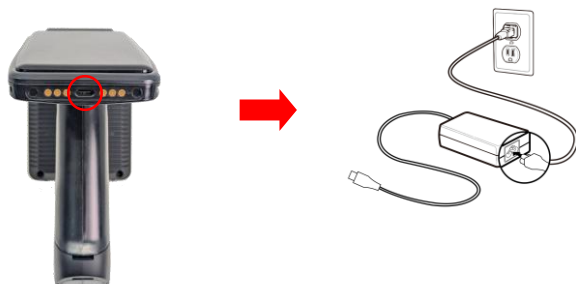
## ► Charging the Battery

### About RP300's PD Fast Charging & iOS, Android Compatibility

We highly recommend using the original adapter. If you use a different adapter, please ensure that you follow the guidelines below before charging:

- Use a PD Fast Charging Adapter
- Recommended to use 45W Adapter (or up to 45W)

Before starting to use the device, we would like to suggest you follow the illustrations below to begin to use the RP300.



- Insert one end of the USB-C cable into the port on the RP300, and plug the other end into a socket.
- When mounting an iOS device, charging is not supported; Android devices can be charged simultaneously.
- Supports PD charging to fully charge the RP300 within 2 hours. (depending on the specific adapter)

#### **WARNING!**

There is a risk of fire and burns if the battery is handled improperly.

**DO NOT** disassemble, crush, puncture, short external contacts, or dispose the battery pack in fire or water.

**DO NOT** attempt to open or service the battery.

Dispose used batteries according to local recycling guidelines in your area.

#### **CAUTION!**

To ensure the unit working properly, please keep all connectors away from the contaminants such as dust, grease, mud, and water. Negligence may cause the unit to lose communication, short circuit, or overheated. If the connector is damaged, please ensure the connector is fully repaired before using the unit to avoid short-circuit.

**DO** charge between 20% and 80% to protect your battery.

**Avoid** full discharges (<0%) or charging all the time (always 100%) to reduce stress on the battery.



<http://www.ute.com/>

#### EU Importer:

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