



PD-IDENT-UHF User Guide

555T 0617 Rev.A

1	General Information	3
1.1	About these instructions	3
1.2	Explanation of symbols used	3
1.2.1	Warnings	3
1.3	Contents	4
1.4	Feedback about these instructions	4
2	Notes on the product	5
2.1	Included parts:	5
2.2	RFID Communication	5
3	Charging the Turck PD-IDENT handheld reader	6
4	Connecting to Smartphone device	7
5	App description	8
5.1	Obtaining the app: Android	8
5.2	Obtaining the app: iOS	8
6	Home Screen	9
7	Scan Screen	10
8	Read/Write Screen	11
8.1	More Read/Write	11
9	Settings Screen	12
10	Basic Troubleshooting/Tips	13
10.1	Issues Reading/Writing	13
10.1.1	Multiple tags in the environment	13
10.2	Issues with Android device connection	13
10.3	Technical Support	13
11	Screen Appendix	14



1 General Information

1.1 About these instructions

The following user manual describes the setup, functions, and use of the system. It helps you to plan, design, and implement the system for its intended purpose.

Note*: Please read this manual carefully before using the system. This will prevent the risk of personal injury or damage to property or equipment. Keep this manual safe during the service life of the system. If the system is passed on, be sure to transfer this manual to the new owner as well.

1.2 Explanation of symbols used

1.2.1 Warnings

Action-related warnings are placed next to potentially dangerous work steps and are marked by graphic symbols. Each warning is initiated by a warning sign and a signal word that expresses the gravity of the danger. The warnings have absolutely to be observed:



DANGER!

DANGER indicates an immediately dangerous situation, with high risk, the death or severe injury, if not avoided.



WARNING!

WARNING indicates a potentially dangerous situation with medium risk, the death or severe injury, if not avoided.



ATTENTION!

ATTENTION indicates a situation that may lead to property damage, if it is not avoid-ed.



NOTE

In NOTES you find tips, recommendations and important information. The notes facilitate work, provide more information on specific actions and help to avoid overtime by not following the correct procedure.

CALL TO ACTION

This symbol identifies steps that the user has to perform.

→ RESULTS OF ACTION

This symbol identifies relevant results of steps

1.3 Contents

The contents of this manual/guide cover the following:

- Ex. The Turck PD-IDENT handheld RFID reader
- Ex. An Android or iOS device (supplied by the user)
- Ex. The Turck RFID app

1.4 Feedback about these instructions

We make every effort to ensure that these instructions are as informative and as clear as possible. If you have any suggestions for improving the design or if some information is missing in the document, please send your suggestions to <u>techdoc@turck.com</u>.



Notes on the product 2

Included parts: 2.1



- Handheld reader (1x)
- Micro-USB cable (1x)
- 2A USB charger (1x)

2.2 **RFID Communication**

US

The Turck PD-IDENT handheld RFID reader complies with Part 15 of the FCC rules.

Canada

The Turck PD-IDENT handheld RFID reader complies with RSS-210 of Industry Canada.

EU

The Turck PD-IDENT handheld RFID reader complies with applicable ETSI standards and carries the CE marking on the product signifies that Turck holds the reference technical files available to European Union authorities

3 Charging the Turck PD-IDENT handheld reader



- 1. Using the included 2A micro/USB charger, plug the micro USB connector into the bottom of the handheld reader.
- 2. Connect the charger into a 120V outlet, or
- 3. Disconnect the USB connector from the micro/USB charger, and plug the USB connector into a USB port (such as one found on your laptop or desktop computer).



NOTE

Charging speeds will vary depending on which method is used. It is recommended to charge the handheld reader for a minimum of 2 hours to ensure proper operation.



4 Connecting to Smartphone device



1. Plug the stereo connector into your iPhone or Android smartphone



NOTE

To ensure proper operation, a smartphone device must be physically connected, and TURCK RFID App must be installed.

5 App description

The Turck RFID app is available for both Android and iOS devices. The app looks and functions the same on Android and on iOS with a couple of minor exceptions, which are noted.

5.1 Obtaining the app: Android

- 1. Open the Play Store by touching on the "Play Store" icon on the Android device.
- 2. Search for "Turck RFID". Then download and install it.



Turck RFID Turck Inc

5.2 Obtaining the app: iOS

- 1. Open the iTunes App Store by touching on the "App Store" icon on the iOS device.
- 2. Search for "Turck RFID". Then download and install it.



Turck RFID Business



6 Home Screen



7 Scan Screen





NOTE

Entering the scan screen automatically causes the RFID reader to start scanning for tags.



8 Read/Write Screen



9 Settings Screen





10 Basic Troubleshooting/Tips

10.1 Issues Reading/Writing

10.1.1 Multiple tags in the environment

Reading and writing an RFID tag works much better when only no other RFID tags are visible to the reader. Therefore it is advisable to not have other RFID tags in the vicinity when reading or writing tags.



Putting RFID tags inside a metal box is an easy way to render the RFID tags invisible to an RFID reader.

10.2 Issues with Android device connection

There are a number of reasons that an Android device might not properly communicate with the Turck PD-IDENT handheld RFID reader.

- 1. Make sure the reader is fully charged. When the reader's battery is low, it will not connect to any smart device.
- 2. Some phone cases can block the audio jack from completely inserting. Try removing the case.
- 3. Sometimes a dirty audio port can be an issue, try cleaning with compressed air and/or a toothpick.
- 4. Try restarting the phone.
- 5. If possible, verify the reader is working by using a different Android/iOS device.
- 6. The Turck PD-IDENT handheld RFID reader may need new firmware so it can communicate with this Android device.



NOTE

Try updating the firmware using an iOS device, or try a different Android device, then try the problematic Android device again.

10.3 Technical Support

For additional support, email inquiries to appsupport@turck.com, or call Application Support at 763-553-7300, Monday-Friday 8AM-5PM CST.

11 Screen Appendix



ווי קי איז איז איז איז איז איז איז איז איז אי	91% 🔳)
K scan	
found: 3 time:	00:02
546578742045504321000000	
000000000000000000000000000000000000000	6 .
3BD00000026259FF88CD959	8 ::::.
pause stop	geiger

Fig 1. Home Screen

≁≈		10:59 AM			% 💼 4				
<	r	ead/\	write		++-				
Kill Acc	cess PC	EPC	TID	USER					
start byte: 0x0000 hex decimal									
number of bytes: all some									
display: hex decimal text									
byte		0	1	2	3				
more		rea	ad						

Fig 3. Read/Write Screen

Fig 2. Scan Screen



Fig 4. Settings Screen