

APR450 Reader

Quick Start Guide

The Allflex APR450 Reader is made to read livestock electronic identification Tags (EID) that offer simple-to-use essential reading and management capabilities and delivers outstanding value even for small farms.

Allflex CONNECT

Introducing Allflex Connect – a universal mobile APP to connect your EID readers with an on-farm management platform, external identification systems, and the Allflex cloud.

With Allflex Connect, you can create and edit customized animal cards and lists, share records with your herd management system, upload data to the cloud for actionable insights, connect your reader to your mobile via Bluetooth, and keep your readers up to date with regular firmware updates.

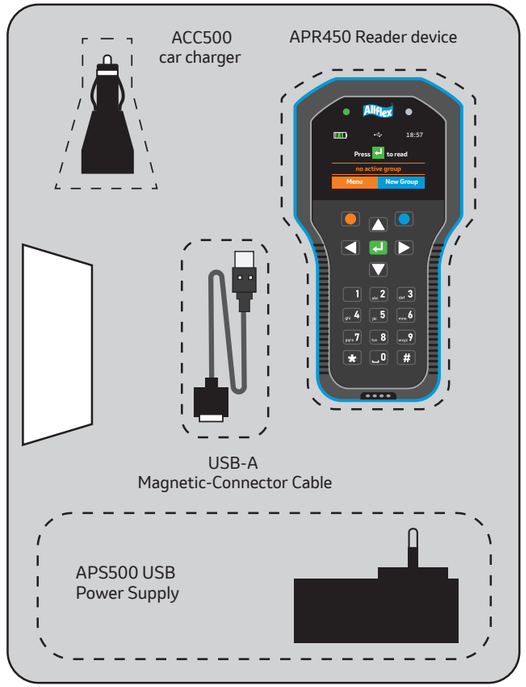
Downloading the App and pairing it with your reader before first use is recommended. To download, please visit Google Play or the Apple Store.

Download on the App Store

GET IT ON Google Play

What is in the Box

ATB400 - Transport box



For more information visit
www.allflex.global/allflex-apr-450-product-support-page/

This product is not intended to diagnose, treat, cure, or prevent any disease in animals. For the diagnosis, treatment, cure, or prevention of disease in animals, you should consult your veterinarian. The accuracy of the data collected and presented through this product is not intended to match that of medical devices or scientific measurement devices.

Hereby, Agrident GmbH declares that the radio equipment type APR650 is in compliance with Directive 2014/53/EU and UK Radio Equipment Regulations 2017 (as amended). The full text of the declarations of conformity are available at the following internet address: www.allflex.global/allflex-apr-450-product-support-page/

Copyright© 2026 Merck & Co., Inc., Rahway, NJ, USA and its affiliates.
All rights reserved. AHI-Allflex-231000008

22 PAP

Device Properties

Multi-Color Status LED
The color changes according to the charging status when the display is switched off

- Flashing – Charging
- Solid- Fully Charged

Blue Status LED
Used to indicate the connection status when the display is switched off

Flashing every 3 seconds – SD Card Mode
Flashing once a second – Suspend Mode (CDC)

2D Barcode scanner



A Large 2.4-inch Color Display

Easily Controlled Ergonomic Keypad
Directional pad with an ENTER key and two soft keys for multiple functions

12 Alphanumeric Keys for convenient data entry

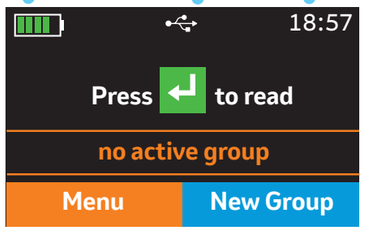
Magnetic UBS Connector

Display

Battery Status Indicator
Shows the approximate battery level. It also displays battery faults, such as high temperature.

USB connection
Indicates when the reader is connected via USB

Clock
Clock time in 24-hour mode



Left Soft-Key
Performs various functions depending on the associated screen display

Right Soft-Key
Performs various functions depending on the associated screen display

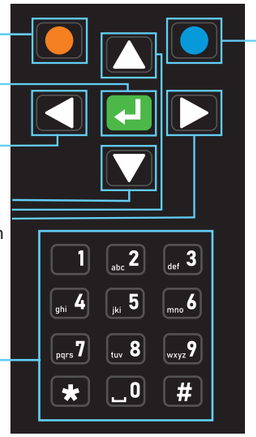
Keypad

Left Soft-Key

Power On/ ENTER Key

Direction Keys
For navigation, scrolling, and character selection in input fields

Alphanumeric Keys for data entry



Right Soft-Key

NOTE: Press the down button key for >2 seconds to switch off the device

Getting Started

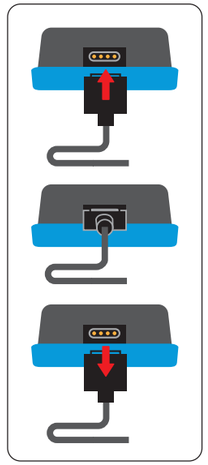
Battery Charge

The device should be fully charged before the first use.

To charge, use the Magnetic-USB power cable.

Connecting the USB cable:
The magnetized connectors "find" the proper orientation almost automatically by attracting each other in the appropriate order.

Note: DO NOT FORCE a connection to the reader. If it does not insert smoothly, verify that it is correctly oriented.

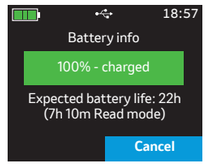


Charging is complete if no bars are flashing anymore



To disconnect, pull the connector away from the device

When fully charged, the battery info will show '100%,' and you can see a rough estimation for operating time in Standby Mode and Continuous Read Mode

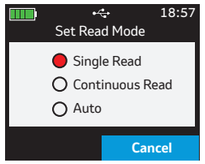


Initial Configuration

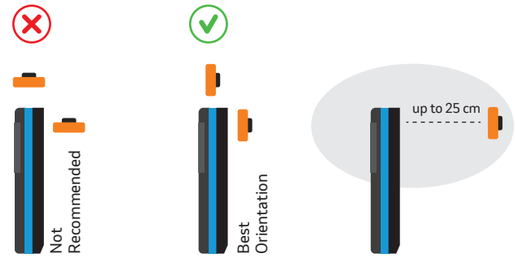
Set Language:
The default display language is English. You can change the language by accessing Menu->Setup->Display->Set Language and select your language.



Set Read Mode:
By default, the reader is set to 'Single Read'- one scan click per animal. Choosing the 'Continuous Mode' enables batch reading.



Quick Reading Steps



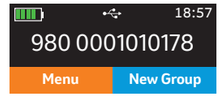
Reading EID Tags:

1.Press ENTER to Read

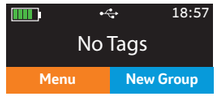
2.Scan the EID tag near the field lines of the reader

3.The device's RGB LED signal will turn on, with accompanying sound and vibration





4.The EID number will be shown on the display screen when successfully read



5.A 'No Tag' message will appear on the screen if the reading fails

Assigning Tags:

1. At the home display, press the right soft-key to create a new group

2. Insert Group Name using the direction keys to navigate the letters, numbers, or symbols

3. When finished, confirm the name by pressing ENTER.

4. To assign tags to the group created, enter the group and start reading.

NOTE: After 10000 records within one group, the device will force the user to create a new group

