

PRODUCT MANUAL

EnterpriseXR+

Long read-range Smart RFID Microchip Scanner

Engineered for veterinarians and field technicians. Easy to use, install software and manage data!



UniteID LLC

Visit our website at www.uniteid.net to learn about the great features of the Enterprise XR+!

EnterpriseXR+

Extended Range RFID Scanner

TABLE OF CONTENTS

- 1) [Product Description:](#) 2
- 2) [What's Included:](#) 2
- 3) [Packaging:](#) 3
- 4) [Getting Started:](#) 3
 - 4.1) [Battery:](#) 3
 - 4.2) [Enterprise XR+ Scanner Operation:](#) 3
 - 4.3) [Test Scan with Key-Fob Test Transponder \(Included\):](#) 5
- 5) [Bio-Thermo™ Chips:](#) 5
- 6) [Scanner Management Program:](#) 5
 - 6.1) [Customizing Your Enterprise XR+ Scanner:](#) 7
 - 6.1.1) [Setting the Scanner's Internal Clock:](#) 8
 - 6.1.2) [Setting the Scanner's "Name":](#) 8
 - 6.1.3) [Turning Bluetooth On or Off:](#) 9
 - 6.1.4) [Turning the Beep On or Off:](#) 9
 - 6.1.5) [Turning Internal Memory Storage On or Off:](#) 9
 - 6.1.6) [Setting the Auto Off Timer:](#) 9
 - 6.1.7) [Temperature Display for Bio-Thermo™ Chip:](#) 9
 - 6.1.8) [Decimal or Hexadecimal display:](#) 9
 - 6.2) [Manipulating Scanned Data:](#) 10
- 7) [Bluetooth Operations:](#) 10
- 8) [FCC STATEMENT:](#) 11
- 9) [Warranty:](#) 12

1) PRODUCT DESCRIPTION:

The Enterprise XR+ is a portable RFID Scanner designed to read FDX-A (125kHz) and FDX-B (134.2kHz) transponders, with or without temperature sensing, that comply with ISO 11784/11785 Standards.

The unique ID number of each transponder is displayed on the Enterprise XR+ Digital Display Screen. The internal memory allows storage of up to 4,000 individual transponder ID numbers along with the date and time of each scan.

The Enterprise XR+ Scanner can be connected to any computer or handheld device via a USB cable (with Micro USB connector) or by pairing with a Bluetooth wireless device.

2) WHAT'S INCLUDED:

Belt Hook/Wall Mount:

- Convenient storage and access between uses

Large Loop Antenna: Extended Read Range:

- FDX-A (125kHz) ~ 2 inches
- FDX-B (134.2kHz) ~ 6 inches

Backlit Display:

- Scanner ID
- Scanner Transponder ID Number
- Temperature (if applicable)
- Battery Level
- Bluetooth Status

Single Button Activation: One button for all operations

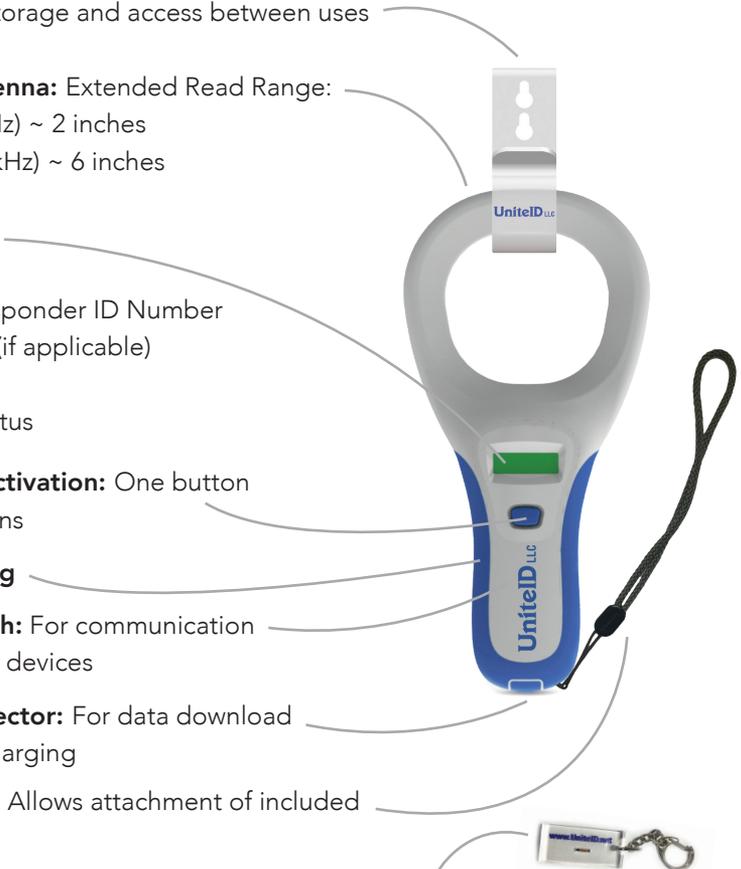
Non-slip handling

Built-in Bluetooth: For communication with handheld devices

MicroUSB Connector: For data download and battery charging

Lanyard Anchor: Allows attachment of included a wrist lanyard

Keychain: With encapsulated 134.2kHz Transponder for Test Scans



3) PACKAGING:

Molded Carrying Case protects the Enterprise XR+ Scanner during transport and storage.



4) GETTING STARTED:

Important: Please read all instructions thoroughly before using the Enterprise XR+ Scanner. Refer to page 7 for instructions on setting the internal clock



4.1) BATTERY:

The Enterprise XR+ Scanner is equipped with a rechargeable lithium-polymer battery. It's recommended to charge the battery fully before the first use by connecting the scanner to a USB power source.

The battery charge percentage is displayed each time the scanner is turned on. Recharge the scanner when the charge drops below 30%.

Safety Note: Do not use the scanner near water while connected to a power source. Ensure the rubber USB connector cap is securely in place when the cable is not connected to prevent water from entering the scanner.



Driver Installation: The first time you connect the scanner to a desktop or laptop computer, the computer should display a message saying "New Hardware Found" and automatically load the CH340 driver used for communication between the Enterprise XR+ Scanner and the Scanner Management Software (available for download at www.UniteID.net).

4.2) ENTERPRISE XR+ SCANNER OPERATION:

To turn the Enterprise XR+ Scanner on, press and release the "Scan Button" once.

During Startup, the Scanner will display the following:

INITIALIZING

If you have not set the Internal Clock, then the display will show:

CLOCK NOT SET

To set the Internal Clock, see Section 6.1.1 in this manual on page 8.

Then:

SCANNER -V0.19
Scanner -001

The Software Revision Level of this Scanner

The "Name" for this Scanner (customizable using the Scanner Management Software; see section 6.1.2)

"Dave's Scanner"

Then

BATTERY: 98%
b

Then:

READY
b

and

SEARCHING
b

To read an RFID transponder, hold the scanner's handle and pass the loop end over the area where the RFID transponder is located. The read range is up to 2 inches for 125kHz (FDX-A) chips and up to 6 inches for 134.2kHz (FDX-B) chips.

If a transponder is detected, the following information will be displayed:

FDX-A (or FDX B)
XXXXXXXXXXXX

- The coding standard used.
- The transponder's ID number.

The ID number will display long enough for you to record it, and then the scanner will automatically turn off. You can adjust the auto-shutdown time using the Scanner Management Software (see section 6.1.6).

If the scanner is connected to a computer or smartphone via USB or Bluetooth, the transponder ID number will be automatically transferred. See the relevant sections in this guide for more details.

If no ID number is detected, the display will show "No ID Found."

4.3) TEST SCAN WITH KEY-FOB TEST TRANSPONDER (INCLUDED):



The scanner is packaged with a keychain containing a sample RFID transponder to verify correct function.

Once “Searching” is displayed on the screen, pass the loop end of the scanner over the keychain fob. You should hear a beep and see a 15-digit ID code appear on the screen. The first three digits identify the manufacturer, and the remaining 12 characters are the unique ID number of the chip.

**FDX-B
985 XXXXXXXXXXXX**

The display will also indicate that this test chip was produced to the 134.2kHz FDX-B standard.

Note: By default, the scanner displays the ID code in ISO 11784/11785 standard decimal format. This can be changed to hexadecimal format using the Scanner Management Software (see section 6.1.8).

If the scanner does not detect the ID number, it will display “No ID Found.” If this occurs while scanning the test chip, contact UnitelD at 603-669-0800.

NO ID FOUND

5) BIO-THERMO™ CHIPS:

The Enterprise XR+ Scanner can read Bio-Thermo™ Chips from Destron-Fearing. If a Bio-Thermo™ chip is detected, the display will show the temperature reading.

**FDX-B **.°F
985 121030459885**

You can change the temperature display from Fahrenheit to Celsius using the Scanner Management Software (see section 6.1.7).

6. SCANNER MANAGEMENT PROGRAM

The Enterprise XR+ Scanner works with desktop or laptop computers to store, manipulate, and use data collected by the scanner.

Installation:

1. Visit www.UnitelD.net. Scroll down until you see the Blue “Download User Manual” button. Below that you will see icons for downloading the Scanner Management Program that can be used for different operating systems. Click on the word under the correct icon for your platform.

3. The Scanner Management Program will begin to download immediately.
4. When the Download is completed click on the Download Symbol  in the Tool Bar at the top of your screen and it will open the Downloads Folder in your File Explorer. You should see the filename **TheScannerManagementProgram** with a file size of 30MB. This is a ZIPped File.
5. **Double Click** that File to Extract the ZIPped File.
6. When the next Window opens, click on **TheScannerManagementProgram** again.
7. The next window will have four files – with the top file labeled as an **“Application File”**. Double Click on that file.
8. The next screen allows you to request a Desktop Shortcut. Leave that option **“Checked”** and click **“Next”**
9. The next screen allows you to start the actual Install of the Scanner Management Program. Click **“Install”**
10. The next screen allows you to Finish the Install. Click **“Finish”**
11. The Scanner Management Program will automatically start.

Using the Program:

1. Connect the Enterprise XR+ Scanner to the computer **using the USB cable that is supplied with the Scanner.**

CAUTION – Many USB Cables are made for charging only and do not have the wires needed for data transfer. The Scanner Management Software will not work with one of those charging cables.

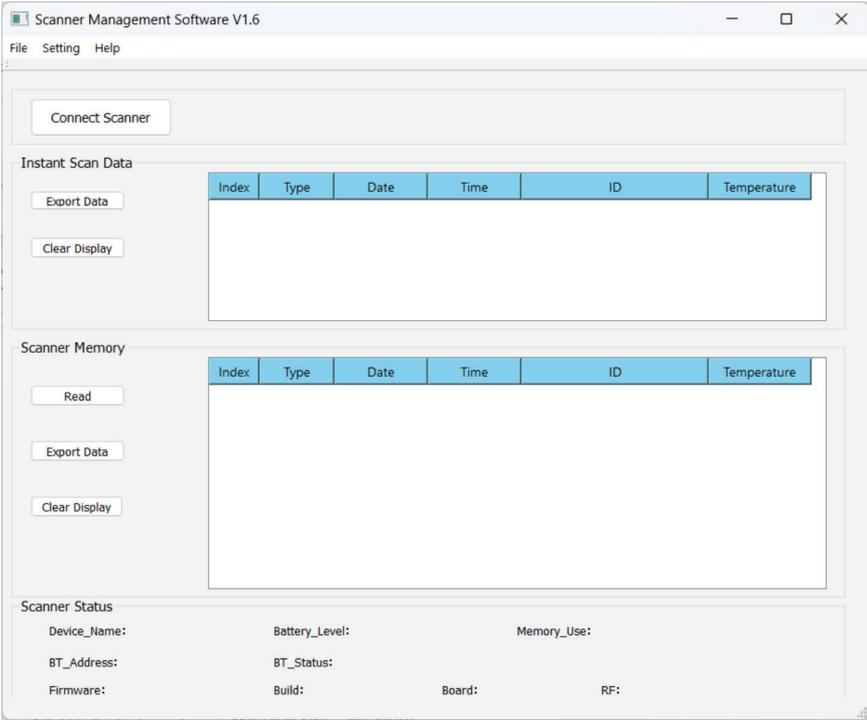
The scanner will automatically turn on when the USB Cable is plugged.

2. Click **“Connect Scanner”** in the software. Select the appropriate COM port. If the wrong COM port is selected, an error message will appear, allowing you to try again.
 - Depending on the age of your Windows Operating System, it is possible that no COM Ports will be displayed. If this happens, then you may have to re-boot your computer to establish that COM Port link. Leave the USB Cable and Scanner plugged into the computer so it **“Finds the Scanner”** as the computer restarts.
 - After the Restart, look for a **“Magnifying Glass”** Icon on your desktop with the word **“Scanner 2.3”** under that icon. Click on the Icon.

The bottom portion of the main screen of the Scanner Management Program will display the **scanner's status**, including device name, Bluetooth address, battery charge level, and the number of scans stored in memory.

You can load and export scans using the **“Read”** and **“Export Data”** buttons.

Main screen:



6.1 CUSTOMIZING YOUR ENTERPRISE XR+ SCANNER

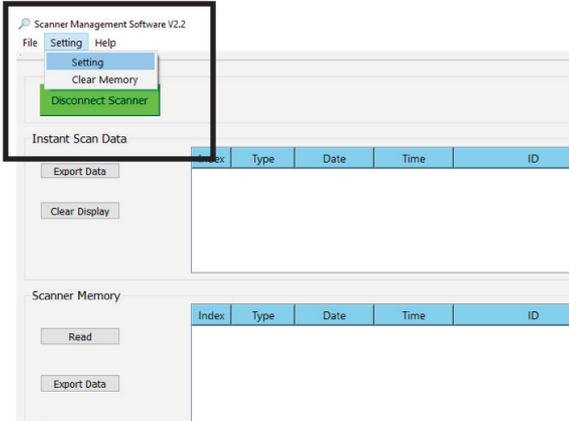
The Scanner Management Software allows you to customize the settings of your Enterprise XR+ Scanner.

Note: Set the internal clock before first use to ensure all scans are time and date stamped for future reference.

6.1.1 SETTING THE SCANNER'S INTERNAL CLOCK

1. Ensure the scanner is connected to the Scanner Management Software.
2. Click **"Scanner Settings"** in the software's menu bar, then click **"Settings."**

A drop-down menu will appear like this:



SETTINGS SCREEN
for functions **6.1.2,**
6.1.3, 6.1.4, 6.1.5,
6.1.6, 6.1.7, 6.1.8

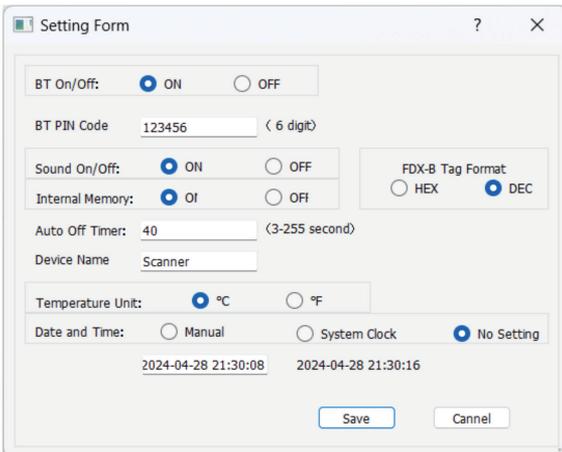
3. Compare the scanner's date and time with your computer's system clock.
If they don't match, click the **"System Clock"** button and then **"Save."**
4. Verify the setting by reopening **"Scanner Settings."**

6.1.2 SETTING THE SCANNER'S NAME

To assign a unique name to your scanner:

1. Open **"Scanner Settings"** and click on the **"Device Name"** entry.
2. Edit the name as desired, then click **"Save."**

Note: The name can be up to 16 characters long and may include symbols such as / ; : ? < > ! @ # % ^ * () + = but not the & symbol or spaces



6.1.3 TURNING BLUETOOTH ON OR OFF

To conserve battery life, you can turn off the Bluetooth capability:

1. Open **"Scanner Settings."**
2. Click the **"BT On/Off"** button and select **"Off,"** then click **"Save."**

6.1.4 TURNING THE BEEP ON OR OFF

To disable the beep sound:

1. Open **"Scanner Settings."**
2. Click the **"Beep On/Off"** button and select **"Off,"** then click **"Save."**

6.1.5 TURNING INTERNAL MEMORY STORAGE ON OR OFF

To manage the storage of scanned data on the scanner:

1. Open **"Scanner Settings."**
2. Click the **"Storage On/Off"** button to toggle internal memory storage. Select **"On"** to enable or **"Off"** to disable storage, then click **"Save."**

6.1.6 SETTING THE AUTO OFF TIMER

To adjust the auto-shutdown time:

1. Open **"Scanner Settings."**
2. Click the **"Auto Off"** button. Enter the desired time in seconds (up to 120) and click **"Save."**

6.1.7 TEMPERATURE DISPLAY FOR BIO-THERMO™ CHIP

To change the temperature display from Fahrenheit to Celsius or vice versa:

1. Open **"Scanner Settings."**
2. Click the **"Temperature Unit"** button and select the desired unit, then click **"Save."**

6.1.8 DECIMAL OR HEXADECIMAL DISPLAY

To switch between decimal and hexadecimal display formats:

1. Open **"Scanner Settings."**
2. Click the **"ID Display Format"** button and select either **"Decimal"** or **"Hexadecimal,"** then click **"Save."**

6.2 MANIPULATING SCANNED DATA

The Scanner Management Software allows you to retrieve and manipulate scanned data.

Loading Scans:

1. Connect the Enterprise XR+ Scanner to your computer.
2. Click **“Read Data”** in the software to load the stored scans.

Exporting Data:

1. After loading scans, click **“Export Data.”**
2. Choose a location to save the file (in CSV format) for easy import into spreadsheet programs like Excel.

Clearing Stored Data:

1. To delete all stored scans from the scanner’s memory, click on the settings on the top of main screen, then click on **“Clear Memory”** on the dropdown menu.

7.) BLUETOOTH OPERATIONS

The Enterprise XR+ Scanner features built-in Bluetooth for wireless communication with handheld devices.

Pairing the Scanner with a Device:

1. Turn on the scanner by pressing the Scan Button.
2. On your handheld device, enable Bluetooth and search for new devices.
3. Select **“Enterprise XR+”** from the list of available devices.
4. If prompted, enter the pairing code **“1234.”**

Transferring Data via Bluetooth:

- After pairing, scans performed on the scanner will be automatically transmitted to the connected device.

Disconnecting Bluetooth:

- To disconnect the scanner, turn off the Bluetooth on the handheld device or toggle the Bluetooth setting on the scanner via the Scanner Management Program.

8.) FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Support and Warranty Information

For technical support, contact UnitelD at 603-669-0800 or visit www.UnitelD.net.

Warranty: The Enterprise XR+ Scanner comes with a one-year limited warranty. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by accidents, misuse, or unauthorized modifications.

To claim warranty service, contact UnitelD with proof of purchase.

- FRENCH:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) l'appareil ne doit pas produire de brouillage, et
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

WARRANTY

The Enterprise XR+ Reader is warranted against defects in materials and workmanship, under normal use and service, for one (1) year from the date of shipment. This warranty will not apply if adjustment, repair, or parts replacement is required because of accident, neglect, damage during transport or causes other than normal use. The sole responsibility of UnitelID LLC. under this warranty shall be, at its option, to either repair or replace any product which fails due to defect during the one (1) year warranty period. In no event shall UnitelID LLC. be liable for any indirect or consequential damages or loss of profit.

EnterpriseXR+

Long read-range Smart RFID Microchip Scanner



www.Unitelid.net