UniteID LLC

EnterpriseXR+

QUICK START GUIDE

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 the ISO 11784/11785 Standards.

The unique ID Number of each transponder is displayed on the Enterprise XR+ Digital Display Screen. Internal memory allows storing 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 hand-held device with the use of either a USB Cable (with Micro USB connector).

WHAT'S INCLUDED:

Belt Hook/Wall Mount
- Allows convenient storage and access between uses.

Large Loop Antenna for Extended Read Range
- FDX-A (125kHz) Average Read Range = 2 inches
- FDX-B (134.2kHz) Average Read Range = 6 inches

Backlit Two-Line Digital Display Screen
- Displays the Unique ID of the Scanner Itself
- Displays each scanned Transponders Unique ID Number
- Displays Temperature for Transponders that include that feature.
- Displays Battery Charge Level

Single Button Activation (The Scan Button)

Molded Soft Grip for Non-slip Handling

Lanyard Anchor allows attachment of a Wrist Lanyard

MicroUSB Connector
- Download Data to a computer using a MicroUSB Cable
- For recharging the internal Lithium-Polymer Battery

Keychain with encapsulated 134.2kHz Transponder

PACKAGING:

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

For cost inquiries, email: sales@uniteid.net • www.uniteid.net
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BATTERY:

The Enterprise XR+ Scanner is equipped with a rechargeable, Lithium-Polymer Battery. It is best to connect to a USB Power Source and charge before the first use.

The Percentage of Battery Charge will be displayed each time the Scanner is turned on. It is best to connect the Scanner to a USB Power Source for recharging any time the Percentage Charge gets below 30%.

Do not use the Scanner near water while connected to a power source.

Be sure to push the rubber USB Connector Cap back into position whenever the Cable is not connected. When in place, the Connector Cap prevents water from entering the Scanner at the USB Connector opening.

The first time you connect the scanner to the USB Connection of a Desktop or Laptop Computer using a USB Cable the computer should display a message saying "New Hardware Found" – and the computer should automatically load the CH340 Driver that is used to communicate between the Enterprise XR+ Scanner and the Scanner Management Software available for download from the UniteID website at uniteid.net, Fall 2020.

ENTERPRISE XR+ SCANNER OPERATION:

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

During Startup, the Scanner will display:

INITIALIZING

Then:

SCANNER -V0.16 **Scanner -001**

The Revision Level of this Scanner
The "Name" for this Scanner

"Dave's Scanner"

You can create your own name for the Scanner using the PC Management Software described in a later section of this Guide. (See **page 9** for instructions.)

Then:

BATTERY: 98% **b**

Percentage Battery Charge Level

Then:

READY **b**

and

SEARCHING **b**

To Read a RFID Transponder, grip the handle of the Enterprise Scanner in your hand (use the lanyard included in the package if there is any risk of dropping the Scanner) and pass the loop end of the Scanner over the area where you believe the RFID transponder is located.

Read Range varies; 125kHz (FDX-A) chips have a range of up to 2 inches and 134.2kHz (FDX-B) chips have a range of up to 6 inches.

If a Transponder is "found" then the information on the Transponder will be displayed

FDX-A (or FDX B) **XXX_XXXXXXXXXXX**

The Coding Standard Used
The ID Number of the Transponder

The ID Number will display on the screen for long enough for you to write it down and then the scanner will automatically turn off. You can change the time-to-shutdown using the Scanner Management Software discussed later in this Manual.

If the scanner does not find an ID Number to display, then it will show:

NO ID FOUND

If the Scanner is connected to a computer with a USB Cable, or connected to a smartphone, then the Transponder ID Number will automatically be transferred to the computer or smartphone.

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

The scanner is packed with a "Keychain" with a clear plastic "Fob." The Fob contains a sample RFID Transponder which allows you to verify the correct function of the Enterprise XR+ Scanner.

Once "Searching" has been displayed on the screen, pass the loop end of the Scanner over the Keychain Fob. Almost immediately you will hear a beep, and see a 15 digit ID Code appear on the screen. The first three digits of that Code identify the manufacturer of the test transponder chip and the next 12 characters are the unique ID Number of that Chip.

FDX-B **985 XXXXXXXXXX**

Immediately above the ID Number the Display will show that this chip was produced to the 134.2kHz FDX-B Standard.

The ID Number will display on the screen for long enough for you to write it down and then the scanner will automatically turn off.

If the Scanner is connected to a computer with a USB Cable, or connected to a smartphone, then the Chip ID Number will automatically be transferred to the computer or smartphone.

You should make note of the ID Number of the Test Chip. It will appear in the Scanner's Memory each time you use the Test Chip to confirm that the Enterprise XR+ Scanner is functioning correctly.

If the scanner does not find an ID Number to display, then it will read "No ID Found"

NO ID FOUND

If this occurs when you are scanning the Test Chip in the Keychain Fob, then there is some malfunction. Please contact UniteID at ###-###-####

FCC STATEMENT

1. 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, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC warning

- English:

This device complies with Industry Canada's licence-exempt RSSs. Operation is

subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause

undesired operation of the device.

- 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."