

UNIVERSAL WORLDSKAN™ READER *PLUS*

UWSR+ *REACH*



USER MANUAL



Table of Contents

SETTING UP	1	Description.....	3
	2	Case and Components.....	3
	3	Operation and Settings.....	4
	3.1	Getting Started.....	4
	3.2	Battery handling instructions.....	4
	3.3	Power on / off instructions.....	4
	3.4	Reading an implanted microchip.....	5
	3.4.1	Scanning and LOCATING AN IMPLANTED MICROCHIP.....	5
	3.4.2	Read range performances.....	6
	3.5	Tones.....	6
	4	Installing Software.....	6
	4.1	System Requirements.....	6
	4.2	Program Installation.....	7-9
	TRANSMITTING DATA TO COMPUTER	5	Connecting to a PC.....
5.1		Using USB interface.....	9
5.2		Using wireless Bluetooth® connection.....	10
5.2.1		BLUETOOTH® management.....	10
5.2.2		Pairing from MM Software.....	10
5.2.3		Using Bluetooth® interface to pair, from Windows.....	12
5.2.4		Connect by Bluetooth® when reader is already paired.....	13
6		Memory.....	14
6.1		Memory management.....	14
6.2		Download memory.....	14
6.3	Temperature measurement.....	14	
ADVANCED OPERATIONS	7	Connecting the reader to an Application on smart phone or Mobile Device.....	15
	7.1	Pairing with iPhone/iPad® devices	15
	7.2	Pairing with Android™ devices.....	15
	8	Appendix.....	16
	8.1	.NET Framework 3.5 installation.....	16
	9	Troubleshooting.....	18
	10	Specifications.....	19
	11	Reader Physical Integrity.....	19
	12	Limited Product Warranty.....	19
	13	Regulatory Information.....	20
14	Regulatory Compliance.....	20	

1. Description

The device can read a wide range of technologies: FDX-B ISO, HDX ISO, FDX-A (FECAVA), Trovan and Avid Encrypted. UWSR+ can also read and display the Microchip Temperature™ when reading microchips with temperature sensing implants from Destron Fearing™ or Allflex®.

In addition to its microchip reading functions, the UWSR+ scanner can store up to 3000 IDs, each associated with a time/date stamp in its internal memory and transmit them to a personal computer via an USB cable or wirelessly using Bluetooth®.

2. Case and Components*

Figure 1 – Packing



Figure 2 - Reader features and user interface.



* For UWSR+ Reach Case and components refer to 3.4.2

Table 1 - Packing list

Item	Features	Description of use
1	Plastic case	Use to transport the reader in a robust case
2	Guide	Quick Start Guide
3	Lanyard	Helps prevent drops and keeps hands free.
4	Wall adapter	Power Supply – Powers reader and charges batteries.
5	Reader	Universal WorldScan™ Reader Plus
6	Key chain with test microchip	1 microchip to demonstrate and test reading capabilities.
7	Rechargeable NiMH battery	Supplies power to the reader.
8	USB Cable	Conveys data to and from reader.

Table 2 - Reader features and description of use

Item	Features	Description of use
1	Antenna	Emits activation signal and receives RFID microchip signal.
2	Large graphical readout with backlight	Displays information about current reader status.
3	"SCAN" button	Applies power and causes activation signal to be emitted for reading microchips
4	Eyelet	Eyelet to place the lanyard
5	USB port cover	Protector for electrical interface for attaching USB cable.
6	Handle grip	Anti-slip gripping surface
7	Battery cover	Cover to access battery
8	Battery cover screw	Screw on battery cover

3. Operation and settings

3.1 Getting Started

UWSR+ comes supplied with six AAA rechargeable 1.2V 800mAh NiMH batteries which must be fully charged prior to use, as diagram below (step 1 through 4).



1 Remove retention screw located on center of back of UWSR+.

2 Place batteries according to polarity indicators as shown on diagram. Replace lid and screw and then screw back on.

3 Remove USB port cover and attach cable in the UWSR+.

4 Plug the adaptor into power outlet. The battery level icon will flash while charging and stop flashing when fully charged. A full charge may take 3 hours.
In the event that the batteries are improperly placed, an audible alarm will sound. Immediately remove the USB cable from the reader and the adaptor from the outlet. Proceed to remove batteries and reposition in the correct orientation as described in step 2. Then repeat Steps 3 and 4.

3.2 Battery handling instructions

Please read and follow the handling instructions for the batteries before its use. The batteries should only be charged with the USB cable and wall adapter supplied with the reader. Improper use of batteries may cause its capacity deterioration or cause heat, fire, rupture or damage. For best performance of batteries, unit should be charged at least every three months, if reader is unused.



Caution

Only use the rechargeable GoldPeak (GP) 85AAAHCb batteries provided (1.2V 800mAh NiMH).
Only use the PowerPax KSAS050500100D5U AC/DC adapter provided (input: 100-240V AC 50/60Hz; output: 5.0VDC 1.0A)

This product is NOT designed for use with non-rechargeable batteries such as Alkaline batteries.

Batteries must be charged indoors only, at temperature between 32° F (0°C) and 95°F (35° C).
Risk of explosion if batteries are replaced by an incorrect type.
Dispose of used batteries according to the instructions.

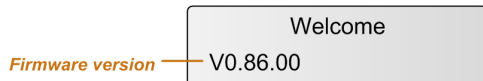


Warning

Do not use the reader near water when connected to the AC/DC adapter.
Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
Do not charge the battery pack from AC main sources during electrical storms or when unused for long periods of time.

3.3 Power on / off instructions

To turn the UWSR+ on, press and release the "SCAN" button once. During this start up time the reader will display the screen below, beep once, and then display "READY".



Note 1: Once activated, the reader will stay on for 2 minutes by default.

The UWSR+ can now be tested with the test microchip provided with key chain. While holding down scan button microchip number should appear on the display.

3.4 Reading an implanted microchip

3.4.1 Scanning and LOCATING AN IMPLANTED MICROCHIP

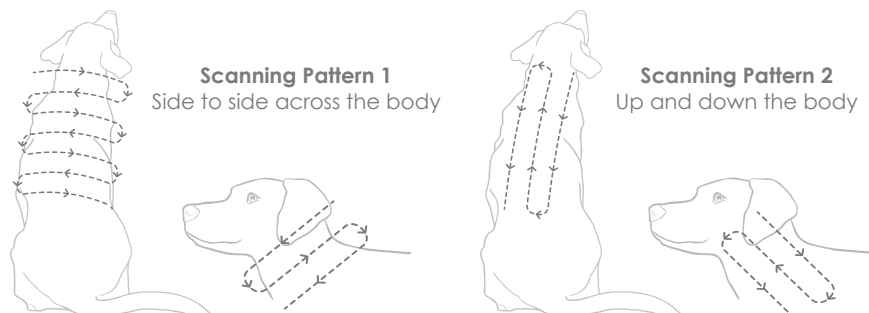
When searching for implanted microchips, press and hold scan button and keep reader always touching the animal. When using the UWSR+ Reach with the wand connected, keep loop always touching the animal.



Use the following scanning patterns to locate the microchip. Perform pattern 1 and 2 on Left, Top and Right sides of animal's neck and shoulders, as microchip placement might vary per animal.

For Pets

Keep scanner touching animal and scan slowly following patterns below:



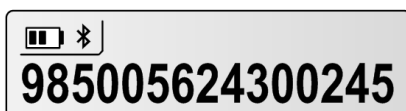
While pressing the scan button, the reader will display "SEARCHING" until a microchip is found or the scan button released.



If a microchip is not detected, the reader will display "NO ID FOUND". In that case, we recommend re-scanning the test chip to ensure reader is operating properly. The animal, then should be re-scanned, moving slower and in varying angle according to the patterns described above.



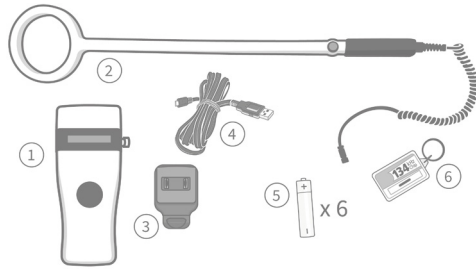
The following picture shows the result of a successful reading session:



3.4.2 UWSR+ Reach

UWSR+ Reach reader is designed to make it easier and safer to scan the microchips on animals that are out of close reach or are aggressive.

The reader can be used either with or without the wand. If the wand is not connected, then the handheld reader operates as a standard UWSR+ reader with no change in functionality. If the wand is fitted, either the button on the reader, or the one on the wand can be pressed and a scan will initiate from the hoop at the end of the wand only (not from the reader).



- Kit Contains:**
1. UWSR+ Reader with connector
 2. Reach wand attachment
 3. Charging adapter
 4. Charging cable
 5. 6x rechargeable batteries
 6. Key Chain with test microchip

CONNECTING TO WAND



Step 1 – Open the dust cap protecting the connector on the UWSR+ Reader.



Step 2 – Line up the connector at the end of the cable with the connector on the UWSR+, as shown in the image. There is a small indicator on the top area of the connector, which requires perfect alignment to indicator on reader to allow connection.



Step 3 – To initiate a scan, press and hold either the button on the UWSR+ or the blue button on the wand. The wand will take over the scanning capabilities.



To scan from the UWSR+ reader, the wand needs to be disconnected from reader by pressing button on connector as shown on Image.

READING MICROCHIPS WITH UWSR+ REACH

Place key chain with test microchip close to the loop and press and hold blue button on wand or button on the UWSR+ Reader. When connected to the wand, the UWSR+ Reader cannot scan microchips. To scan from the UWSR+ reader, the wand needs to be disconnected from the reader.



3.4.3 Read range performances

The figures below illustrate the reading zone of the UWSR+ and the UWSR+ Reach, where microchips can be successfully read. Optimum read distance varies depending on the type of microchip and the orientation in reference to reader.

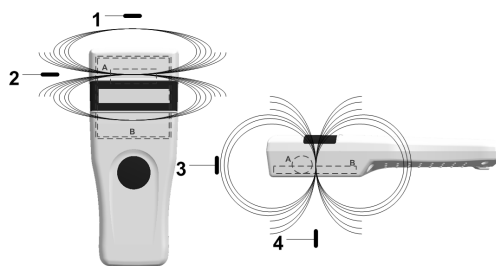


Figure 3a - Double antenna with inductance:
 $377\mu\text{H} / Q=90 @ 134.2\text{kHz}$
 Optimum Read Distance Microchip Orientation
 (position 1, 2, 3 and 4)

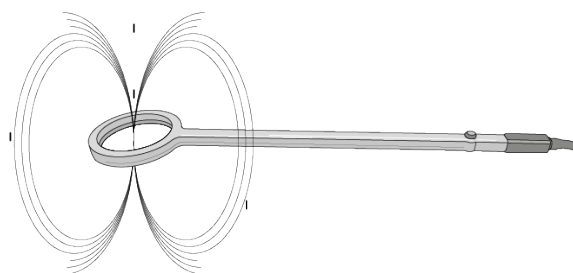


Figure 3b - Air antenna with inductance:
 $340\mu\text{H} / Q=61 @ 134.2\text{kHz}$
 Read range with wand connected

3.5 Tones

The scanner has distinct beep tones for different functions: after start up, when scan button is pushed or released, when microchip is found, or during low battery condition.

4. Installing Software

The UWSR+ is supplied with the Microchip Management Software. MM Software provides the following capabilities:

- Change reader settings.
- Configure a Bluetooth® connection with a remote device.
- Download reader memory and export animal ID's to Excel.
- Use your reader as a virtual keyboard.
- Update your reader firmware.

4.1 System requirements

- Microsoft® Windows® 2000 Service Pack 4, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, and Windows 10 (This software is not compatible with Mac OS).
- Personal computer with:
 - 512 MB of RAM minimum.
 - 40 MB free hard disk space.

■ MM Software requires .NET Framework 3.5 which is usually installed with Windows operating system. If it is not installed on your computer, the installation program will prompt you to install it (Refer to Appendix to see how to install .NET framework).

4.2 Program installation

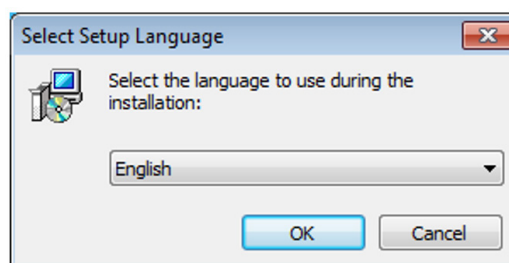
The Microchip Management Software (MM Software) is available for download at <http://microchip.homeagain.com/> :

The screenshot shows the HomeAgain website interface. At the top, there is a navigation bar with links for HOME, FOUND PET STORIES, SERVICES, MICROCHIPPING & SCANNING, TALKING TO CLIENTS, PET RESCUERS, and FAQS. Below the navigation bar, there is a main content area with a large image of a dog and a person. To the left of the image, there is a section titled 'HomeAgain®—a lost pet's best chance of finding his way home.' Below this, there is a 'Professional login' section with fields for Username and Password, and a 'LOGIN' button. To the right of the login section, there is a section titled 'Introducing the HomeAgain® WorldScan® Reader Plus' with a list of features and a 'SOFTWARE DOWNLOAD' link. An orange arrow points from the 'SOFTWARE DOWNLOAD' link to a text box on the right.

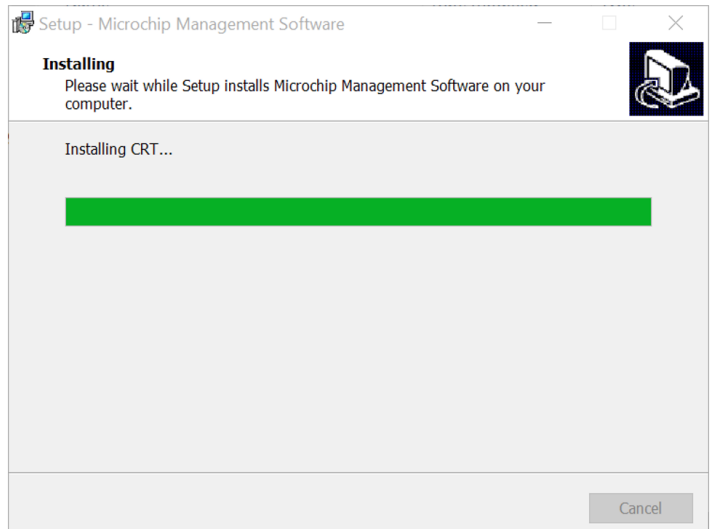
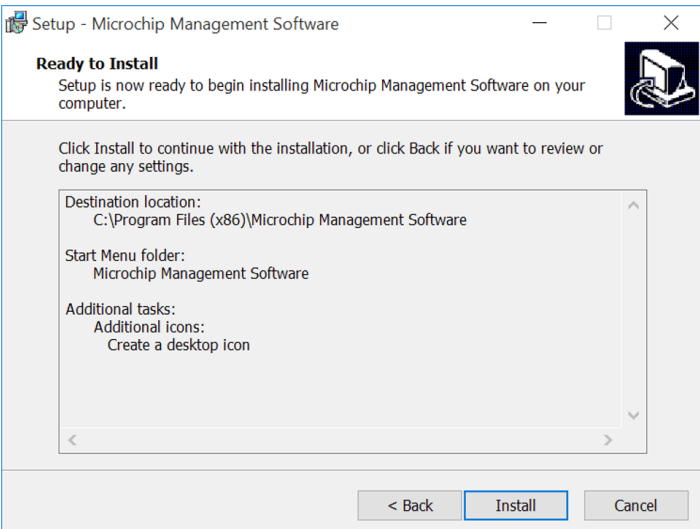
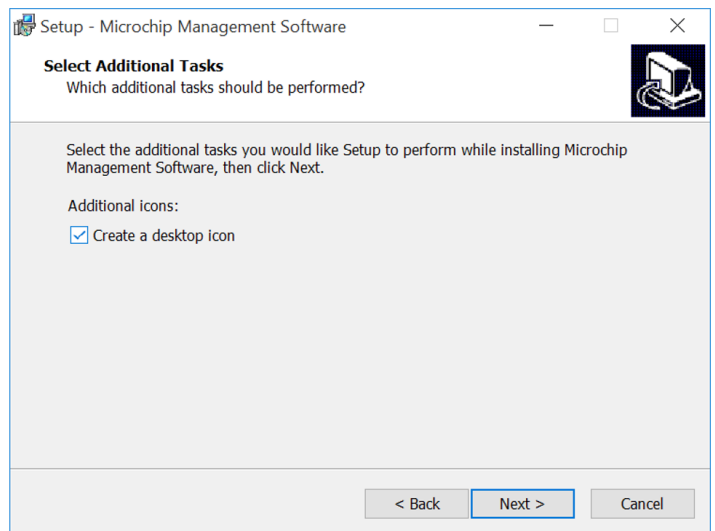
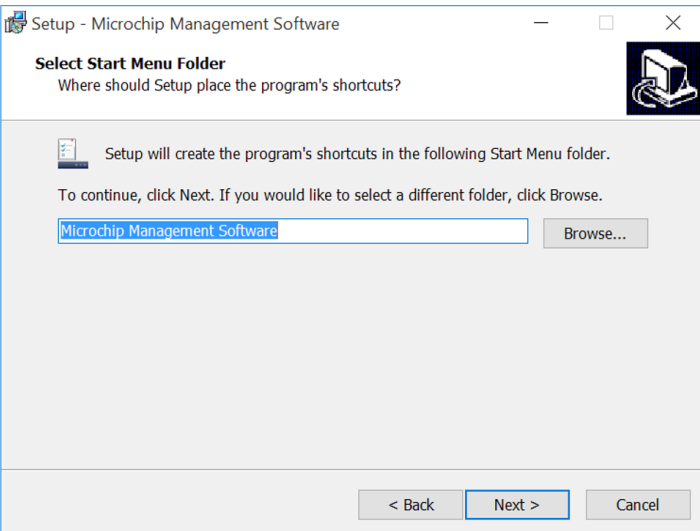
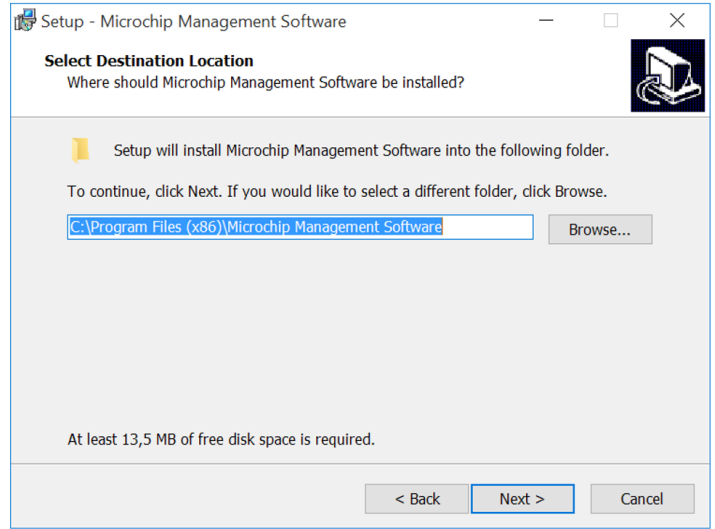
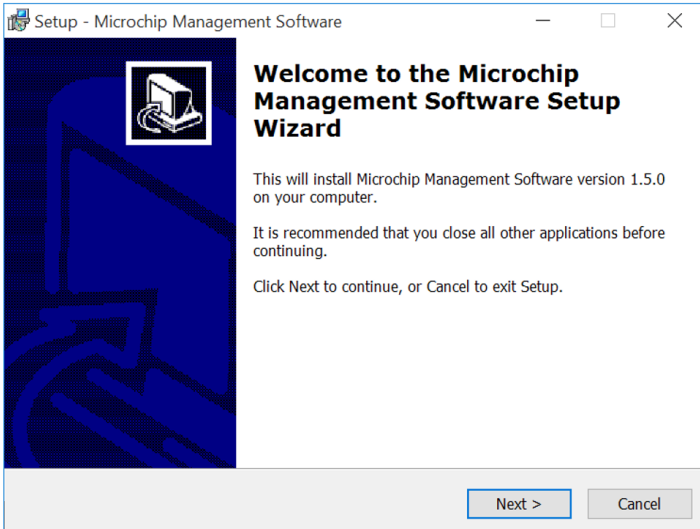
Click on SOFTWARE DOWNLOAD, then Save, followed by Run.

Follow the steps below to complete the installation process:

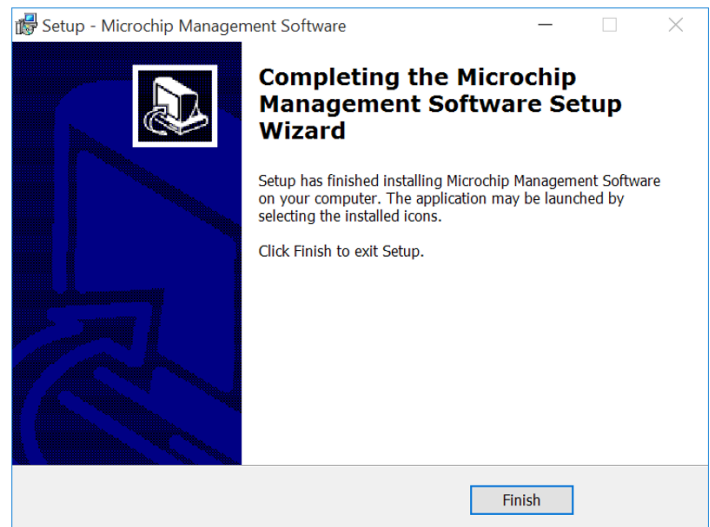
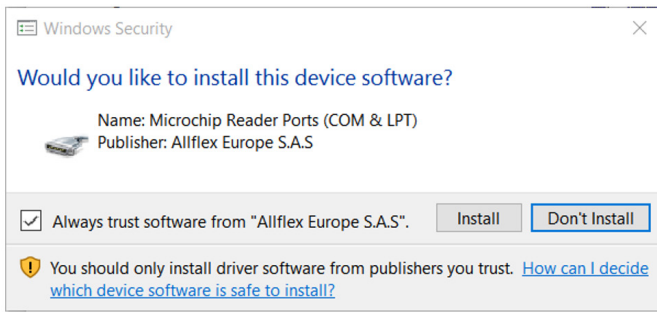
1. Double-click on the setup package to start the installation and choose the appropriate language.



2. Then, follow the steps according to screens below:



The USB drivers will then be installed. Then, check "Always trust software..." and click on Install button. Click on Finish at the end of the process to close the installation.



5. Connecting to a PC

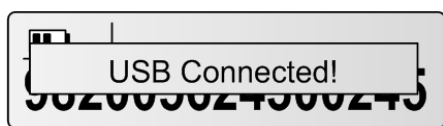
5.1 Using USB interface



1 Open the MM Software and connect the reader to a PC with the USB cable by removing the USB port cover and attaching the cable to the UWSR+ connector (after use, replace protective cap to guard the reader against foreign material contamination once the USB cable is removed). Install the USB cable by attaching it to UWSR+.



2 Plug the other extremity of the USB cable into a USB port on your computer. When reader is connected, Windows will automatically find the driver and install the reader properly.



3 A message is displayed on screen, which ensures a valid connection with the PC.

Note 2: Once the USB cable is connected, the reader is automatically powered on and it will remain activated until the cable is disconnected. The reader will be able to read a microchip if sufficiently charged batteries are inserted. With depleted batteries, the reader will not be able to read a microchip, but will remain on with other functions fully active.

Note 3: If a microchip was detected and the reader is connected via its USB interface or its Bluetooth® interface to a host computer, it will send the microchip number to the host computer.

5.2 Using wireless Bluetooth® connection





5.2.1 BLUETOOTH® management

The UWSR+ is equipped with a Class 2² Bluetooth® module to communicate. This device is compliant with the Bluetooth® Serial Port Profile (SPP).

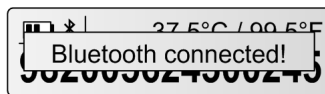
Enable the Bluetooth® feature by using the “Microchip Management Software”

Bluetooth® works on a premise that one end of the communication will be paired to the other one. A host initiates communications and looks for other devices to connect. Smart phones and computers usually establish the connection with readers which are connectable and discoverable.

Note 4: Understanding the Bluetooth® icon:

Disabled	Connectable mode		Host mode	
No icon	Blinking 	Fixed 	Blinking 	Fixed 
	Not connected	Connected	Not connected	Connected

Note 5: A single beep is emitted with a visual message when the Bluetooth® connection is established. Three beeps are emitted with a visual message when the disconnection occurs.



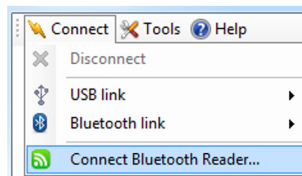
Note 6: If you are using a Smartphone or a PDA, an application is required (not supplied).

5.2.2 Pairing from MM Software

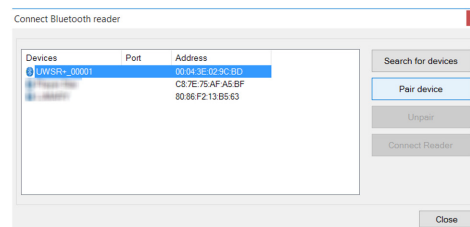
MM Software is able to search for Bluetooth devices in the vicinity and pair to one of them. The target here is to find your reader and to connect it to your computer by Bluetooth.

NOTE: Before continuing, make sure the Bluetooth is enabled on your reader.

1. Click on “Connect” menu and select “Connect Bluetooth Reader...”

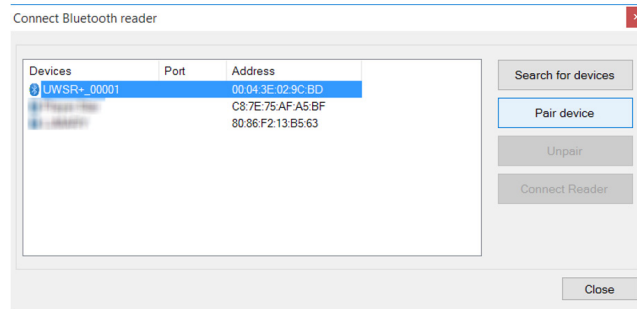


2. Power-on your reader and click on “Search for devices”:

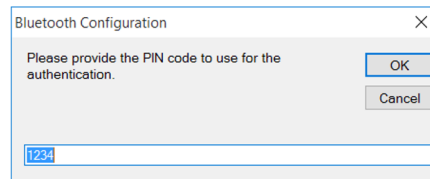


² Operating distance of communication is around 15 m (49 ft).

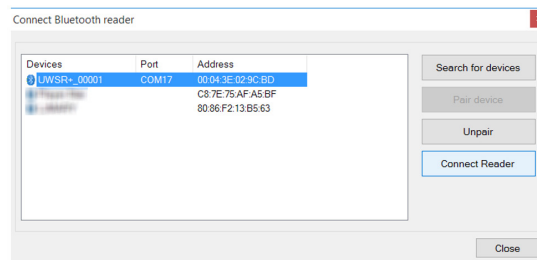
3. Your reader should appear in the list. Click on "Pair device" to start the pairing with the reader. Make sure your reader is still on.



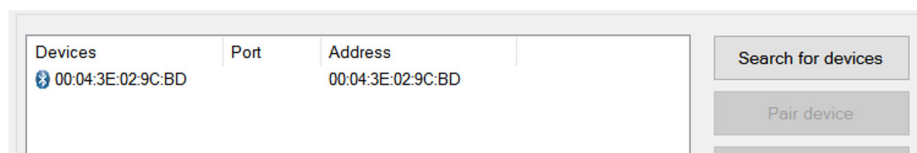
4. By default, the pairing code is 1234. Click OK to continue the pairing. At this moment, Windows will install the driver to create a virtual COM port.



5. Once Windows installed the driver, the COM port number appears in the Port column. You can now click on "Connect Reader" button to connect your reader using Bluetooth.



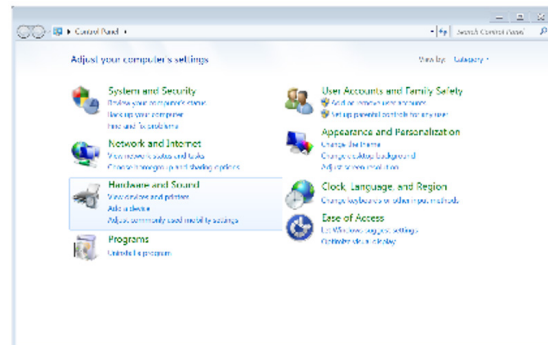
NOTE: If the reader name is not displayed, as shown in the following picture, devices can be searched again and should now display the name.



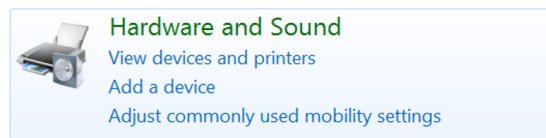
5.2.3 Using Bluetooth® interface to pair, from Windows

Alternately, you can pair the reader using Windows Control Panel. Find below the instructions for pairing with Windows 7:

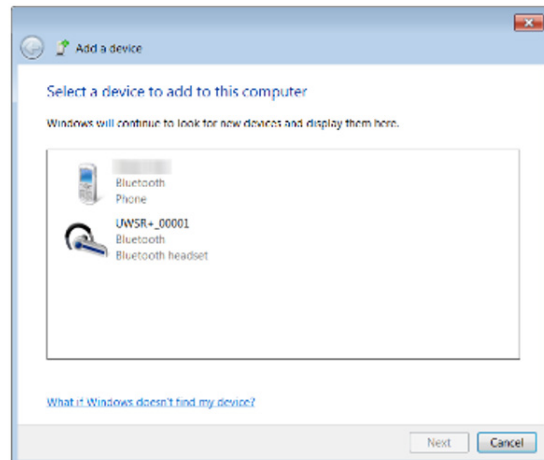
1. Open Window' Control Panel



2. In "Hardware and Sound" section, select "Add a device"



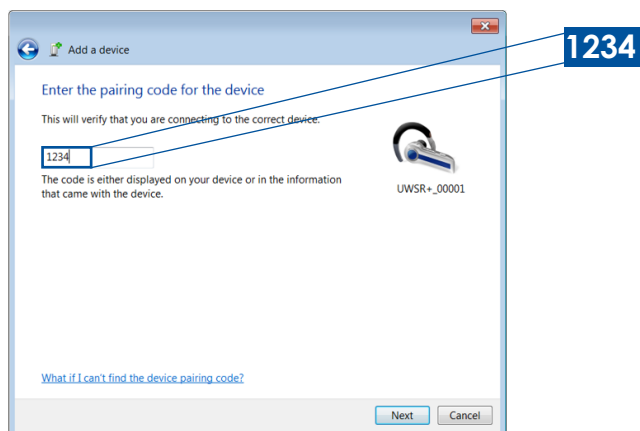
3. Switch-on the reader and wait until the reader appears in the device list as following:



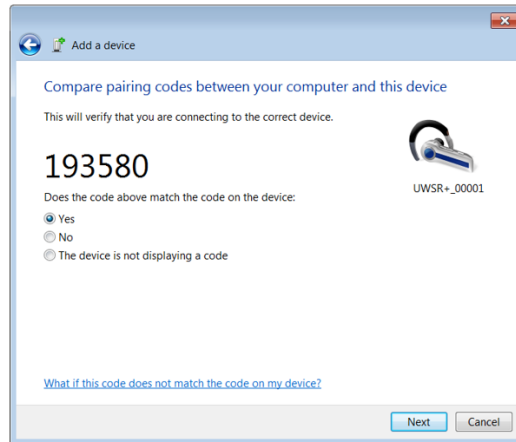
4. Select the appropriate reader and click with right button

NOTE: Your reader may appear as a Bluetooth headset.

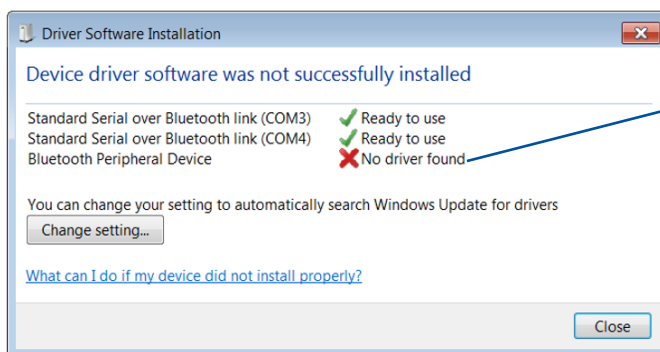
5. Type the PIN code and click Next.



NOTE: If the reader is configured with Bluetooth Authentication option enabled, the pairing process is based on a code generated automatically. In this case, click next to continue (the code will not appear on the reader)



6. Windows will now install the driver needed as following:

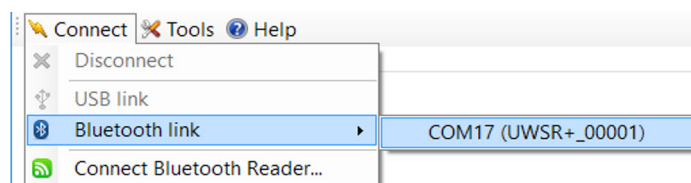


“Bluetooth Peripheral Device” is a service dedicated to Apple’s devices and is unknown from Windows’ operating system that the reason why the PC mentions “no driver found”.

7. Your reader is now ready to connect.

5.2.4 Connect by Bluetooth® when the reader is already paired

When your reader has already been paired to your computer, go to “Connect menu”, select “Bluetooth link” and click on the appropriate COM port:



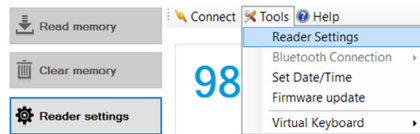
6. Memory

6.1 Memory Management

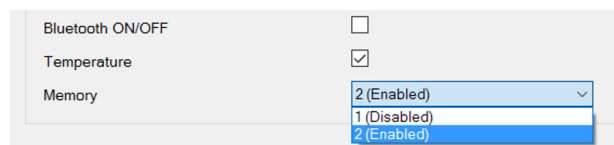
The UWSR+ can store up to 3000 IDs, each associated with a time/date stamp, in its internal memory and transmit them to a personal computer via an USB cable or wirelessly using Bluetooth®.

The tool “Microchip Management Software” allows you to enable/disable the memory storage. **By default, the memory storage is DISABLED. To enable the memory storage follow the steps below:**

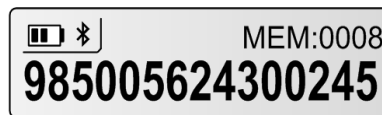
1. To enable/disable memory feature, go into the reader settings panel by clicking on the “Reader settings” button or using the top menu as following:



2. In the reader setting panel, locate “Memory” and choose “Enabled or Disabled“ option:

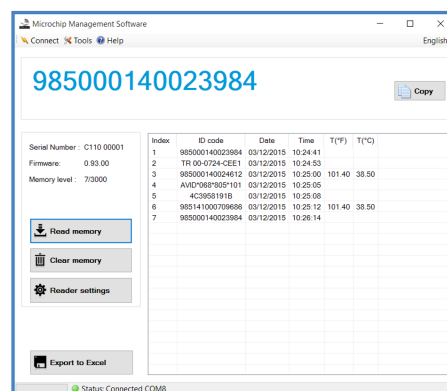


When memory is enabled and a microchip is read, the UWSR+ displays the number of microchips stored in memory, above the microchip number, as shown in picture below:



6.2 Download Memory

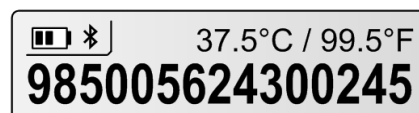
1. When memory feature is enabled, the animal identification codes can be downloaded from reader.
2. Click on “Read Memory” button to download the memory from the reader.
3. Export the ID code list to Excel by clicking on “Export to Excel” button.
4. Once finished, you can click on “Clear memory” to erase animal identification codes stored in the reader.



6.3 Temperature measurement

The UWSR+ can read and display the Microchip Temperature™ when reading microchips with temperature sensing implants from Allflex® or Destron Fearing™.³

The Microchip Temperature™ is displayed above the microchip number as shown in picture below:

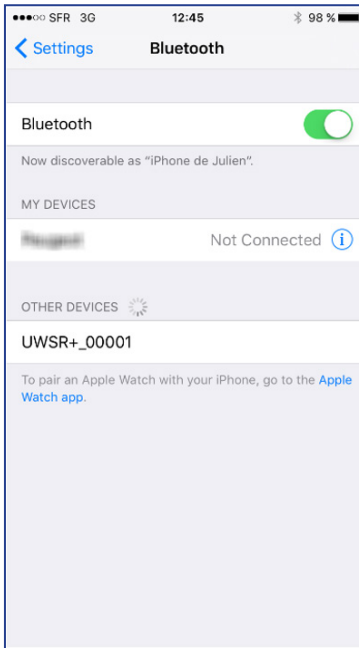


³ Microchip Temperature™ range is from 33°C (91.4°F) to 43°C (109.4°F). If the temperature is below or above this range, it will display "TEMP BELOW RANGE" OR "TEMP ABOVE RANGE".

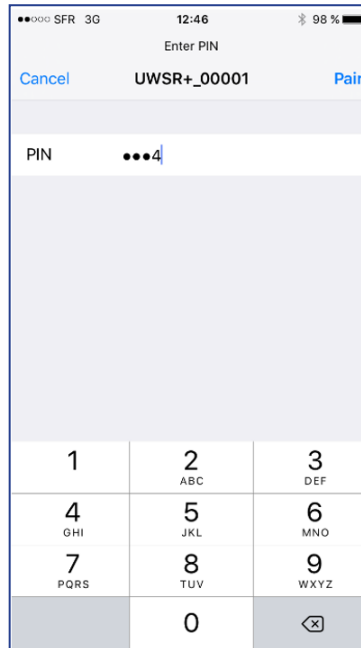
7. Connecting the reader to an Application on smart phone or on Mobile Device

For advanced and technical application development, the UWSR+ was designed with the capability to connect to iPhone, iPad and Android through wireless Bluetooth® connection. The current UWSR+ package does not include software or application for this feature.

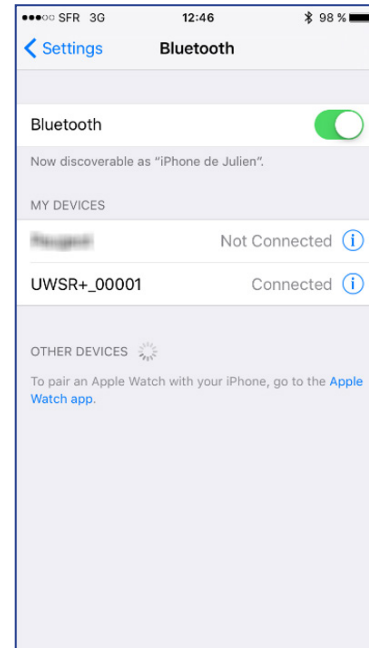
7.1 Pairing with iPhone®/iPad® devices



Make sure your reader is on and tap on UWSR+

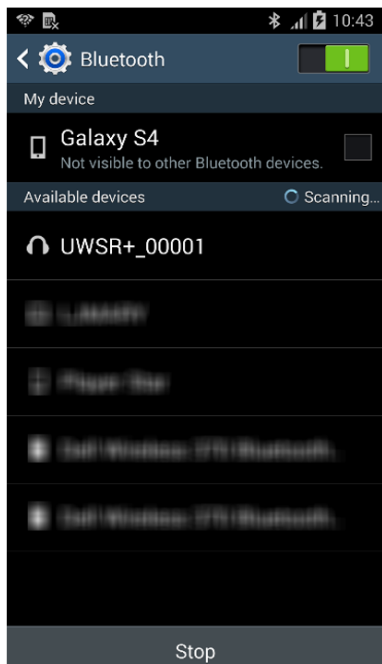


Type 1234

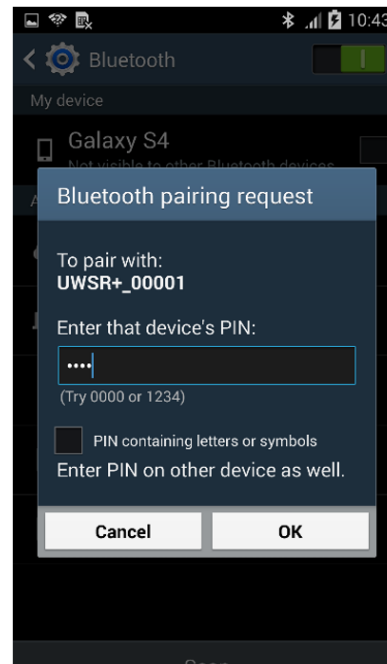


Paired⁴

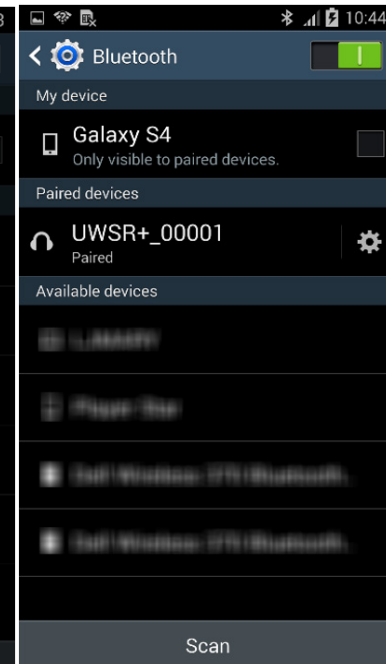
7.2 Pairing with Android™ devices



Make sure your reader is on and tap on UWSR+



Type 1234



Paired

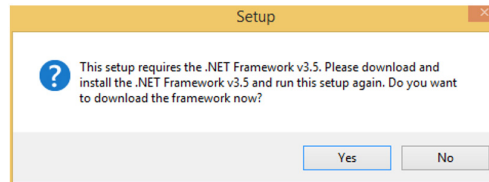
⁴ Once paired to the iPhone, your reader will automatically switch into master mode to be able to reconnect to the iPhone automatically the next time.

8. Appendix

8.1 .NET Framework 3.5 installation

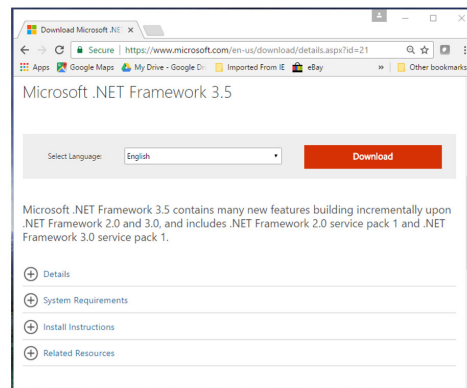
MM Software requires .NET Framework 3.5 to be installed on the machine.

If the following message is displayed while running the setup package, click “Yes” and follow the .NET Framework 3.5 installation instructions. This message may vary depending on your Operating System.

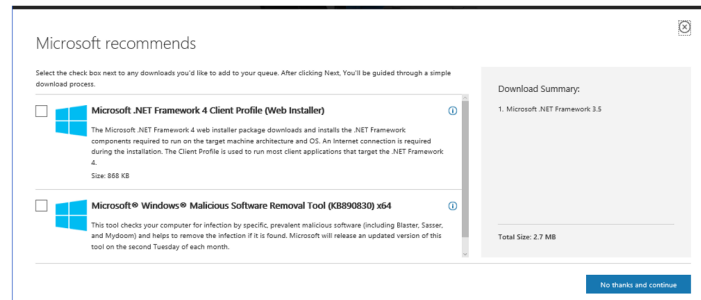


NOTE: The .NET Framework installation requires an internet connection.

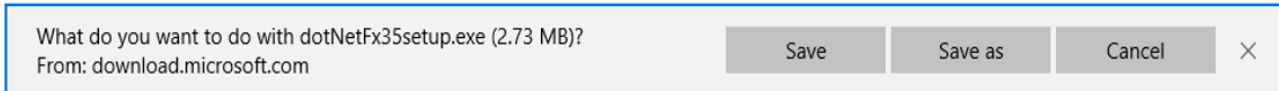
1. After clicking on “Yes”, your internet browser will be opened with the following page. Click on “Download” button to continue.



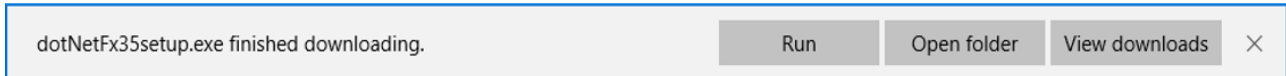
2. Uncheck unnecessary downloads (Download summary should only contain Microsoft .NET Framework 3.5) and click on “No thanks and continue”:



3. Click Save on the bottom of the page to start .NET Framework installation.

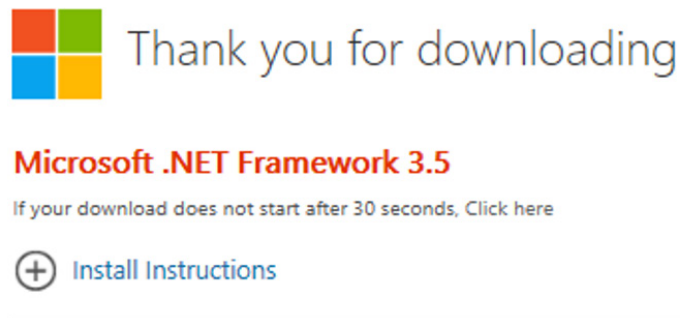


4. Click Run on the bottom of the page to start .NET Framework installation.



5. Then, click on "Download and install this feature".

6. At this step, the .NET Framework 3.5 installation program will download the required files from internet and then install the framework. This message will appear. It is now safe to close browser.



9. Troubleshooting

■ MICROCHIP NOT DETECTED:

- ▶ Verify that UWSR+ is able to read test microchip provided on key chain.
- ▶ Confirm that scanning is being performed away from metal objects and computer equipment, including metal collars and metal tags and away from stainless steel table.
- ▶ Scan animal following patterns on item 3.4.1, with slow movements and reader touching animal all the time. If the animal moves too quickly, the microchip may not be located in the reading zone long enough for the ID code information to be obtained.
- ▶ Replace batteries if power is weak, as it might not be sufficient to activate the field and reading distances can be reduced.
- ▶ Some animals might be implanted with two microchips too close to each other. In these cases, there is a risk that reader performance might be affected. Continue to scan as indicated on page 7, with slow movements, trying to identify one microchip at a time.

■ MICROCHIP IS FOUND BUT NOT STORED IN MEMORY:

- ▶ Verify scanner reads test chip.
- ▶ Verify Memory is enabled.

■ CANNOT DOWNLOAD MEMORY:

- ▶ Make sure memory is enabled in reader settings (refer to Microchip Management Software User Guide).

■ MICROCHIP IS FOUND BUT DOES NOT DISPLAY TEMPERATURE:

- ▶ Verify Microchip is a temperature sensing implant from ALLFLEX® or DESTRON FEARING™
- ▶ Verify Temperature Scanning is enabled.

■ READER DOES NOT START:

- ▶ Verify batteries have been installed correctly and have full charge.

■ LOW BATTERIES:

- ▶ If reader displays "Low battery" with rechargeable cells: Recharge the batteries.

■ DEPLETED BATTERIES:

- ▶ If reader displays "Battery depleted" with rechargeable cells: Recharge the batteries.

■ BLUETOOTH NOT VISIBLE:

- ▶ Check if Bluetooth icon appears on the reader. If not, enable Bluetooth using Microchip Management Software.

■ BLUETOOTH VISIBLE BUT NOT CONNECTABLE:

- ▶ Make sure your reader is configured to be visible and connectable in Microchip Management Software (refer to Microchip Management Software User Guide available for download at <http://microchip.homeagain.com/> for more information).

■ INCORRECT DATE / TIME

- ▶ Connect the reader to Microchip Management Software. This will synchronize the date and time with the computer.

■ FOR UWSR+ REACH: CANNOT SCAN FROM READER

- ▶ If the wand is connected, it will only scan through the wand, even if pressing the scan button on the reader. If the wand is connected, either the scan button on the wand or the scan button on the reader will start a wand reading.

10. Specifications UWSR+

General	
Norms	ISO 11784 and ISO 11785 for HDX, FDX-B, FDX-A (FECAVA), Trovan and Avid Encrypted microchips and implants
Special feature:	Temperature scanning with TD and BT implants between 33°C and 43°C (between 91.4°F and 109.4°F)
User interface	Graphical display: 122 x 32 dots - visual area: 56 x 12.7 mm 1 button 1 buzzer USB port and Bluetooth® module
USB interface	CDC class (Serial emulation) and HID class
Bluetooth® interface	Class 2 (up to 15m) Serial Port Profile (SPP)
Memory	3000 IDs
Batteries	6 GoldPeak (GP) 85AAHCB NiMH rechargeable "AAA" 1.2V 800mAh (only use supplied batteries).
AC/DC adapter	PowerPax KSAS050500100D5U - input: 100-240V AC 50/60Hz; output: 5.0VDC 1.0A (only use supplied AC/DC adapter)
Date/Time autonomy	2 months without reader usage @ 20°C
Battery charge duration	Up to 4h45 in fast charge (external power supply) Up to 9h00 in slow charge (computer)
Reading distances	Up to 10 cm (3.9 in) depending on microchip type and microchip orientation.

Mechanical and physicals	
Ingress Protection	IP54 with closed battery door and with dust caps securely fitted in place.
Dimensions	202 x 80 x 36.5 mm (7.95 x 3.15 x 1.44 in)
Weight	330 g (including batteries) (11.6 oz)
Operating Temperature	+32° to +104°F (0° to +40°C)
Storage Temperature	-4° to +149°F (-20° to +65°C)
Charging Temperature	+32° to + 95°F (0° to +35°C)
Humidity	10% - 90% Non Condensing
Internal Antenna	Double antenna with inductance: 377µH / Q=90 @ 134.2kHz

Default settings	
Memory Storage	Disabled
ID code format:	15 digits
Temperature scanning	Enabled
Timestamp	Disabled
Bluetooth®	Disabled
Bluetooth® pin code	1234
Beeper	Enabled

UWSR+ REACH Wand General	
Ingress Protection	IP67 (wand including handle and read button up to connector on wand side).
Dimensions	737 mm (29") L (base of handle); 22 mm (0.87") W; 145 mm (5.7") Ø loop
Weight	311 g (10.97 oz.)
Reading distances	Up to 23 cm (9 in) depending on microchip type and microchip orientation.
Wand Antenna	Air antenna with inductance : 340µH / Q=61 @ 134.2kHz

11. Reader Physical Integrity

The device has been built from rugged and durable materials to withstand use in harsh environments for long periods of time. However, the reader contains electronic components that can be damaged if they are deliberately exposed to extreme abuse. This damage can adversely affect, or stop the reader's operation. The user must avoid deliberately striking other surfaces and objects with the device. Damage that results from such handling is not covered by the warranty described below.

12. Limited Product Warranty

The Universal WorldScan™ Reader Plus is warranted against defects in materials and workmanship, under normal use and service for two (2) years from the day of shipment.

This warranty will not apply if adjustment, repair or parts replacement is required because of accident, neglect, damage during transportation or causes other than ordinary use.

Manufacturer's sole responsibility under this warranty shall be at its option, to either repair or replace any product which fails during the warranty period. In no event shall Manufacturer be liable for any indirect or consequential damages or loss of profit.

13. Regulatory Information

13.1 USA-Federal Communications Commission (FCC)

This device complies with part 15 of FCC rules. 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This portable equipment with its antenna complies with FCC's radiation exposure limits set forth for an uncontrolled environment. To maintain compliance, follow the instructions below :

1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. Avoid direct contact to the antenna, or keep contact to a minimum while using this equipment.

Notice to consumers:

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

13.2 Canada – Industry Canada (IC)

This device complies with RSS 210 of Industry Canada. 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 this device."

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

(1) Il ne doit pas produire d'interférence et (2) l'utilisateur du dispositif doit être prêt à accepter toute interférence radioélectrique reçue, même si celle-ci est susceptible de compromettre le fonctionnement du dispositif.

Avis aux consommateurs:

Toutes modifications non expressément approuvées par la partie responsable de la conformité peuvent annuler le droit de l'utilisateur à utiliser cet équipement.

13.3 Miscellaneous information

Snapshots are according to the latest version at the moment this document was printed.

Changes may occur without notice.

13.4 Trademarks

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Windows is a trademark or registered trademark of Microsoft Corporation in the United States and/or other countries. All other trademarks are trademarks of their respective owners.

13.5 Apple - Legal Notice

iPhone, iPad are a trademark of Apple Inc., registered in the U.S. and other countries.

“Made for iPhone,” and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPhone or iPad may affect wireless performance.



14. Regulatory Compliance UWSR+

ISO 11784 & 11785

This device complies with the standards set forward by the International Standardization Organization. Specifically with standards:

11784: Radio frequency identification of animals -- Code Structure

11785: Radio frequency identification of animals -- Technical Concept.

FCC WMQ-30005

IC 4284A-30005

15. Regulatory Compliance UWSR+ Reach

ISO 11784 & 11785

This device complies with the standards set forward by the International Standardization Organization. Specifically with standards:

11784: Radio frequency identification of animals -- Code Structure

11785: Radio frequency identification of animals -- Technical Concept.

FCC WMQ-30017

IC 4284A-30017



CONTAINS NICKEL METAL HYDRIDE BATTERY.

BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

