Using the Nexa NL-1800 with Library Automation Systems

It is advised that before any attempt is made to use the NL-1800 wireless scanner the contents of the supplied package should be inspected so that the purpose and use of each item is understood.

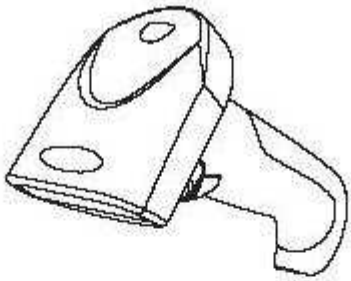
Supplied Items shown below.

The NL-1800 Wireless Scanner already has a rechargeable Li-Ion battery fitted within the handle of the scanner. The enclosed USB charging cable is used to recharge the battery when required.

The NL-1800 USB receiver must be connected to a spare USB port on the host computer and provides the path of wireless communication with the NL-1800 wireless scanner and the host computer.

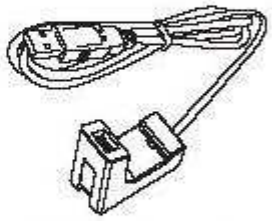
While it is possible to operate the wireless scanner with the USB receiver directly connected to the host computer's USB port, a USB docking station with extension cable is provided so that the USB receiver can instead be fitted to the docking station. The USB receiver can then be elevated to a prone and visible position to enhance the wireless range.

A safety strap or lanyard is supplied and should be attached to the NL-1800 wireless scanner. As a precautionary measure during use the strap can be wrapped around the user's wrist to prevent damage to the scanner from possible accidental drops.

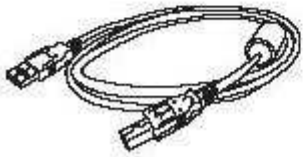


NL-1800 Wireless Scanner

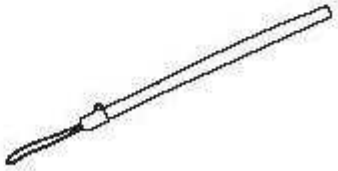
USB Receiver



USB Docking Station



USB Charging Cable



Strap

Connect the USB receiver to the computer.

Prior to undertaking any other action the USB Receiver should be connected to the host computer. If the host computer is a laptop then connecting the USB receiver directly to a spare USB port is recommended. If however the host computer is a desktop or larger computer then it is advised that the USB receiver is first connected to the USB docking station and then the docking station is connected to a working USB port on the host computer.

The USB receiver is known as a HID device meaning that data sent from the receiver to the computer is treated the same way as keyboard entry. What this also means is that when the USB receiver is first connected to the computer's USB port the computer operating system recognises this and automatically accommodates for it. This is often referred to as "Plug & Play" and means that **NO** additional software or device driver software is required, the widespread growth and adoption of many USB devices is directly attributable to this simple and user-friendly method of connecting computer peripherals.

Once you have connected the USB receiver it should be recognized by the host computer and within less than 10 seconds the receiver will double flash red to report that the initialization is complete and the wireless scanner is ready for use with the USB receiver.

Wake up the NL-1800 wireless scanner.

When the NL-1800 wireless scanner is first used it will require waking up, to do this simply press and release the trigger on the scanner to activate it. A blue light on the head of the scanner will illuminate when the scanner is ready for use.

After periods of non-use (default of 10 minutes) the wireless scanner will enter a sleep mode to preserve battery life. Waking up is the same as first initialization, simply press and release the trigger on the scanner.

The NEXA Quick Start Guide that accompanies the NL-1800 does provide important detailed information and instructions necessary for the NL-1800 to be programmed and customised for personal preference. Dataman Barcode Systems recommend that the NL-1800 is operated on its default settings.

Testing the NEXA NL-1800 wireless scanner.

The scanner can now be tested. The NL-1800 is a laser scanner and emits a thin red laser line that should be positioned equally about and upon the bar code to be scanned.

The NL-1800 should be held a short distance away from the bar code to be scanned (20 – 100 mm) and not immediately upon it. The required distance will vary between bar code types and depends upon the original density at which the bar code was produced, generally bar codes produced at higher print densities will require the NL-1800 to be held closer to the bar code. The scanner should **NOT** be held perpendicularly above the bar code but should be held at a slight angle to the perpendicular for best scanning results.

Depressing the trigger will cause the unit to emit the scanning beam, the scanner will give an audible beep once the bar code has been read successfully. With the trigger depressed and while scanning gently adjust the distance the NL-1800 is held from the bar code until the beep is heard, this will indicate the optimum focal range for the particular style of bar codes being used. Once this optimum range is discovered this should be the distance the scanner should normally be held away from the bar code during regular use.

Charging and recharging the battery.

When the NL-1800 is first received the on-board fitted battery is only partially charged and will require topping up, use a spare USB port on the host computer and the supplied USB charging cable for this.

Note: It is possible to continue using your scanner while the battery is being charged and the charging cable is attached, the USB receiver will still require to be connected.

While the scanner is being charged a green light will be illuminated on the head of the scanner, when the scanner is fully charged the green light will go off. A fully drained battery will take approximately 4 hours to charge

A red light will come on when the battery level is low, recharge the scanner immediately when this occurs.

About the NL-1800 wireless scanner.

The NL-1800 operates on “real time”, the NL-1800 does not incorporate any storage memory and relies on being in constant communication with the USB receiver.

When a bar code is scanned the decoded data is transmitted directly to the USB receiver and consequently to the host computer without delay. If the scanner is not connected to the receiver or is out of range the data will be lost. (The NL-1800 will emit 4 beeps to indicate that the data transfer was not successful).

The absolute wireless range of the NL-1800 can vary and is dependent upon the surrounding conditions under which it is operating. Wireless communication ranges as great as 100 meters can be achieved, the NL-1800 has also been successfully tested while operating behind partitions and similar obstacles.

Due to the fact that the NEXA NL-1800 does not incorporate internal memory capabilities it should not be compared or considered to be useable in the same manner as more expensive remote stocktaking bar code scanners. Stocktaking operations may however be conducted with the NL-1800 in real time.

For more detailed information consult the NEXA Quick Start Guide that accompanies the NL-1800.

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NEXA NL-1800 DEFAULT SETUP

Reproduced by DaTaMaN Barcode Systems

NEXA NL-1800

Enter Instruction Mode

1

Set Product Default Setting

2

Set CR Terminator

3

Update & Exit Instruction Mode

4

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