

## Important Notice

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We reserve the right to make changes in product design without reservation and without notification. The material in this guide is for information only and is subject to change without notice.

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### For CE-Countries

This scanner is in conformity with CE standards. Please note that an approved, CE-marked power supply unit should be used in order to maintain CE conformance.

### Laser Safety

The laser scanner complies with safety standard IEC 60825-1 for a Class 2 laser produce.

**Laser Light Viewing:** The scan window is the only aperture through which laser light may be observed from this product. A failure of the scanner motor, while the laser diode continues to emit a laser beam, may cause emission levels to exceed those for safe operation. The scanner has safeguards to prevent this occurrence. If, however, a stationary laser beam is emitted, the failing scanner should be disconnected from its power source immediately.

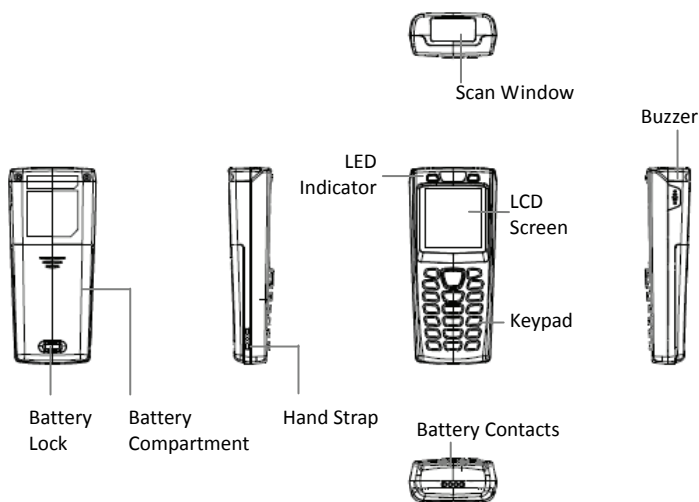
### CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type.

# Z-900XBT Quick Guide

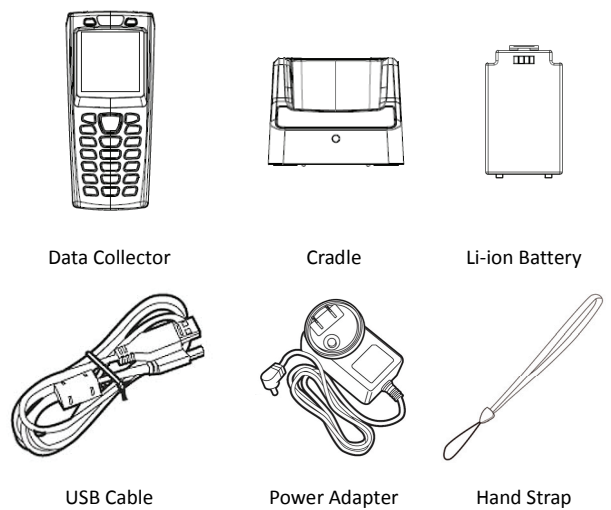
Performance Data Collector Battery

## Scanner Outline



## Package Contents

Items contain in the package may vary depending on the model of the data collector.



Description	Function
Scan Window	Emits a red beam for barcode reading
Battery Compartment	Batteries are stored here
Battery Lock	Secures the battery compartment
Hand Strap Hole	Used to attach hand straps
LED Indicator	Indicates the scanning status
LCD Screen	Display various data when a program is being run
Keypad	A total of 21 keys are provided to the power and other function keys
Battery Contacts	For charging battery
Buzzer	Emits audible indication sounds

## **Federal Communication Commission Interference Statement**

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 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.

### **15.21**

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

### **15.19**

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.

### **FCC RF Radiation Exposure Statement:**

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter RF exposure procedures.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

## Europe - EU Declaration of Conformity **CE 0560**

This device complies with the essential requirements of the R&TTE Directive 1999/5/ EC with essential test suites as per standards:

### **EN 300 328:**

Electromagnetic compatibility and Radio Spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques

### **EN 301 489-17:**

Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services;  
Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

### **EN 60950-1:**

Safety of information technology equipment, including electrical business equipment

### **EN 62311:**

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)

## Translated Statements of Compliance

Hereby, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Language	EN title
Czech	Elektromagnetická kompatibilita a rádiové spektrum (ERM) – Širokopásmové přenosové systémy – Zařízení pro přenos dat pracující v pásmu ISM 2,4 GHz a používající techniky širokopásmové modulace – Harmonizovaná EN pokrývající základní požadavky článku 3.2 Směrnice R&TTE
Danish	Elektromagnetisk kompatibilitet og Radiospektrum Anliggender (ERM); Bredbåndstransmissionssystemer; Datatransmissionsudstyr, som anvender frekvenser i 2,5 GHz ISM båndet og som anvender bredbåndsmulderation; Harmoniseret EN, som dækker de væsentlige krav i R&TTE direktivets artikel 3.2
Dutch	
English	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques
Estonian	Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lairiba edastussüsteemid; Lairiba edastussüsteemid; 2,4 GHz TTM raadiosagedusala töötavad andmeedastusseadmed, mis kasutavad lairibamodulatsiooni tehnoloogiat; Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinõuete alusel
Finnish	Elektromagneettinen yhteensopivuus ja radiospektriasiat (ERM); Laajakaistasiirtojärjestelmät; datasiirtolaitteet, jotka toimivat 2,4 GHz ISM-kaistalla ja käyttävät laajakaistamodulaatiotekniikkaa; Yhdenmukaistettu standardi (EN), joka kattaa R&TTE-direktiivin artiklan 3.2 mukaiset olennaiset vaatimukset
French	Télécommunications - CEM et spectre radioélectrique (ERM) - Système de transmission de données à large bande - Caractéristiques techniques et conditions d'essai des matériels de transmission de données fonctionnant dans la bande ISM à 2,4 GHz et utilisant des techniques de modulation à étalement du spectre - Norme harmonisée couvrant les exigences essentielles de l'article 3.2 de la Directive R&TTE
German	Elektromagnetische Verträglichkeit und Funkspektrumangelegenheiten (ERM) - Breitband-Übertragungssysteme - Datenübertragungsgeräte, die im 2,4-GHz-ISM-Band arbeiten und Bandspreiz-Modulationstechniken verwenden - Harmonisierte EN, die wesentliche Anforderungen nach Artikel 3.2 der R&TTE-Richtlinie enthält
Hungarian	Elektromágneses összeférhetőségi és rádióspektrumügyek (ERM). Széles sávú átviteli rendszerek. A 2,4 GHz-es ISM-sávban működő, széles sávú modulációt alkalmazó adatátviteli berendezések. Az R&TTE-irányelv 3.2. cikkelyének alapvető követelményeit tartalmazó, harmonizált európai szabvány
Icelandic	Þættir sem varða rafsegulsviðssamhæfi og fjarskiptiðni (ERM); Breiðbandssendikerfi; Gagnasendingarbúnaður sem starfar á 2,4 GHz ISM-tíðnisviði og notar breiðbandsendikerfi; Samræmdur Evrópustaðall um grunnkröfur skv. 2. mgr. 3. gr. í tilskipun 1999/5/EC um fjarskiptabúnað og endabúnað til fjarskipta
Italian	Compatibilità elettromagnetica e Questioni relative allo spettro delle radiofrequenze (ERM); sistemi di trasmissione a banda larga; apparecchiature di trasmissione dati che operano nella banda da 2,4 GHz ISM e che utilizzano tecniche di modulazione ad ampio spettro; Norma Europea armonizzata relativa ai requisiti essenziali dell'articolo 3.2 della direttiva R&TTE
Latvian	Elektromagnētiskā saderība un radiofrekvenču spektra jautājumi (ERM). Platjoslas pārraides sistēmas. Datu pārraides iekārtas, kas darbojas 2,4 GHz ISM joslā un izmanto platjoslas modulācijas paņēmieni. 2.daļa: Harmonizēts Eiropas standarts (EN), kas atbilst R&TTE Direktīvas 3.2 punkta būtiskām prasībām
Lithuanian	Elektromagnetinio suderinamumo ir radijo dažnių spektro dalykai. Plačiajuostės perdavimo sistemos. Duomenų perdavimo įrenginiai, veikiantys 2,4 GHz PMM dažnių juostoje ir naudojantys išplėstojo spektro moduliavimo būdus. Darnusis Europos standartas, apimantis esminius reikalavimus pagal 1999/5/EC* direktyvos 3.2 straipsnį
Maltese	Kompatibilità elettromanjetika u materji relatati ma' spettru radjofoniku (ERM); Sistemi ta' Trasmissjoni fuq Frekwenzi Wesgħin; Tagħmir għat-trasmissjoni ta' data li jopera fuq frekwenza 2,4 GHz ISM bl-użu ta' tekniki ta' modulazzjoni wesgħin; EN armonizzata li jkopri rekwiżiti essenzjali taħt l-artiklu 3.2 tad-Direttiva R&TTE
Norwegian	Elektromagnetisk kompatibilitet og Radiospektrum spørsmål (ERM); Bredbåndsoverførings system; Data overføringsutstyr som opererer i 2,4 GHz ISM båndet og som benytter bredbånd modulasjons teknikk; Harmonisert EN som dekker de vesentligste krav i R&TTE direktivets artikkel 3.2
Polish	
Portuguese	Assuntos de Espectro Radioelétrico e Compatibilidade Electromagnética (ERM); Sistemas de transmissão em banda larga; Equipamentos de transmissão de dados operando na faixa ISM dos 2,4 GHz e utilizando técnicas de modulação por espalhamento espectral; EN Harmonizada cobrindo os requisitos essenciais no âmbito do artigo 3º, nº 2, da Directiva R&TTE
Slovak	Elektromagnetická kompatibilita a záležitosti rádiového spektra (ERM). Širokopásmové prenosové systémy. Zariadenia na prenos dát pracujúce v pásme ISM 2,4 GHz a využívajúce metódy širokopásmovej modulácie. Harmonizovaná EN vzťahujúca sa na základné požiadavky podľa článku 3.2 smernice R&TTE
Slovenian	Elektromagnetna združljivost in zadeve v zvezi z radijskim spektrom (ERM) – Širokopasovni prenosni sistemi – Oprema za prenos podatkov v frekvenčnem pasu 2,4 GHz ISM, ki uporablja širokopasovne modulaijske tehnike – Harmonizirani EN, ki zajema bistvene zahteve člena 3.2 direktive R&TTE
Spanish	
Swedish	Elektromagnetisk kompatibilitet och radiospektrumfrågor (ERM); Bredbandiga transmissionssystem; datatransmissionsutrustning som arbetar i ISM-bandet 2,4 GHz och som använder bandspridningsteknik; Harmoniserad EN omfattande väsentliga krav enligt artikel 3.2 i R&TTE-direktivet

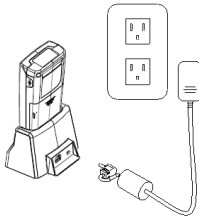
## Inserting Battery

1. Push the lock lever to unlock the battery lock.
2. Remove the battery cover from the data collector.
3. Insert the battery with the top side in first then the side with battery contact. The battery is held in place by a small lock on the bottom of the compartment. Push the battery in until it clicks into place.
4. Slide the battery cover back on to secure the battery.



## Charging Battery

1. Connect the power adapter to the cradle and to a wall outlet.
2. Place Z-9000 on the cradle. The screen indicates the status of battery charge.
3. Charge the batteries until the battery indicator turns full.

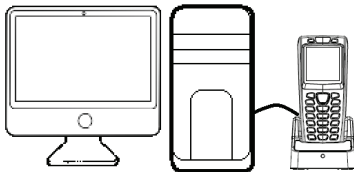


- To extend the life of the battery to its maximum, please allow the initial charge to be at least 12 hours.
- Please do not completely discharge battery as lost of data may occur.

## Connection to Host

To connect the data collector to a PC via cradle:

1. Place the data collector on the cradle and connect the cradle to PC by using the USB cable.



2. The PC should auto-detect the device as a COM device and ask for the driver when connecting the first time.
3. Please download and install the driver from ZEBEX website. The system should assign a COM port to the device after the driver installation.

To install USB driver:

1. Connect the device to your computer via USB cradle.
  2. A window appears in the bottom right-hand corner of Windows that says "Found new hardware". In a few seconds a "Found New Hardware Wizard" window opens up. Double click the found new hardware icon to pull up the window if it does not appear automatically. Select "No, not this time" to continue.
  3. Click "Next" to continue installation.
  4. Click "Install from a list or specific location (Advanced)" and click "Next".
  5. Check the "Include this location" option and use "Browse" to locate the driver in your computer. Click "Next" to go to the next step.
  6. Click "Next" and "Finish" when the installation is done.
- Check the COM and LPT section in the device manager for the assigned COM port. The data collector should appear as a virtual com device.

## Wireless Connection

1. To set the device to wireless mode, select "3.Utilities", "1.Settings", "2.Download Port" (or "1.Upload Port") from the device menu and select SPP Master or SPP Slave modes.
  - For SPP Master mode, please select "3.Utilities", "1.Settings", next page, "4.Wireless Menu", "6.Master Connect" and enter the host MAC address.
  - For SPP Slave mode, no additional action is necessary.
2. Select "3.Utilities", "6.Load Application" (or "8.Load Lookup"; upload lookup files please select "2. Upload") and wait for the device to connect. An error message may appear if you fail to enter the correct MAC address in SPP Master Mode.
3. Start using ZAC for your applications. For more details please see the ZAC User's Manual.

## Using the Device with PC

1. Install and run ZAC on your PC. Please download the latest version from our website and refer to ZAC User's Manual for instructions.
2. Make sure the virtual COM port driver is installed.
3. Start using ZAC for your applications. For more details please see the ZAC User's Manual.

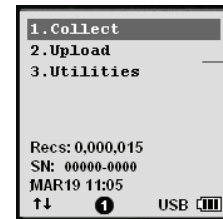
## Power On the Device

Press and hold the power button to turn the power on or off.



## Working with Menus

- Press the ▼ or ▲ buttons or the number keys to move the cursor to the desired option.
- Press the Enter key to enter the menu option.
- Press ESC to go to the previous screen.



Menu selection

Keypad/USB/Battery status

## Menu Description

Menu	Description
Collect	Select this option to start recording data. You can scan barcodes or enter the data manually.
Upload	Select this option to: <ul style="list-style-type: none"> <li>● Upload Data file</li> <li>● Upload lookup file</li> <li>● Upload all files 1 by 1</li> <li>● Upload all files as append</li> </ul>
Utilities	Select this option for: <ol style="list-style-type: none"> <li>1. Settings</li> <li>2. Browse Data</li> <li>3. Delete Data</li> <li>4. Reader Test</li> <li>5. Set Date/Time</li> <li>6. Load Application</li> <li>7. Memory &amp; Power</li> <li>8. Calculator</li> <li>9. Load Lookup (when lookup is available this option becomes option 8 and calculator becomes option 9)</li> </ol>