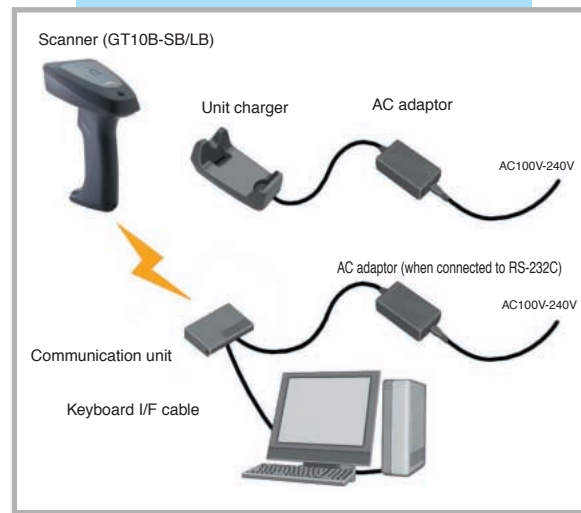


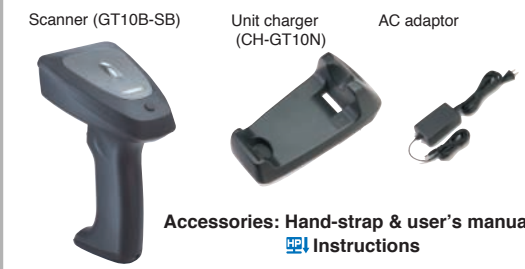
# System Configuration

## External Bluetooth® Compatibility Connections Internal Bluetooth® Compatibility



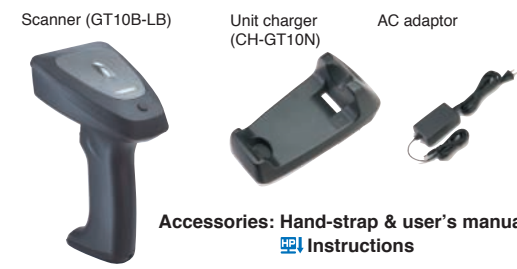
### Main Unit Set \* Select from one of the following options

#### GT10B-SB unit set (standard type)



Accessories: Hand-strap & user's manual  
Instructions

#### GT10B-LB unit set (long range type)



Accessories: Hand-strap & user's manual  
Instructions

### Communication Unit Set \* Select from one of the following options

#### RS-232C set



#### USB set



#### RS-232C set (with built-in unit charger)



#### K/E set



### Communication Unit

Compliant with multiple interfaces, including RS-232C, USB and keyboard I/F  
Ultra slim design takes up little space  
Further space can be saved by inserting the BA10-RKU into the unit charger (see diagram below).



### Unit Charger

Desk- or wall-mounted chargers are available.  
Rapid charging possible (approximately 2.5 hrs)



# DENSO

## Specifications

	GT10B-SB (Standard Range Type)	GT10B-LB (Long Range Type)
Scanner	System Scanning Area *1 Scannable codes Resolution Scanning Confirmation PCS Value	System Scanning Area *1 Scannable codes Resolution Scanning Confirmation PCS Value
I/F	Standard Profile	Bluetooth® Ver1.1 Power class2 Serial Port Profile (SPP)
Power Supply	Main Battery Operating Hours *2	Exclusive battery pack Approx. 20 hours
Environmental Requirements	Operating Temp. Water- / Dust Proof Shock Resistance *3 Operating Humidity	0-40°C IP54 (Equivalent to JIS splash resistance) 2m 10-90% RH (no condensation or frost)
Weight	Approx. 250g (incl. battery)	

\* 1 Narrow bar width 0.5mm or over, ambient luminance over 500lx.  
\* 2 When scanning once in 5 seconds.  
\* 3 Tested value, not guaranteed.

### Communication Unit (BA10-RKU) Specifications

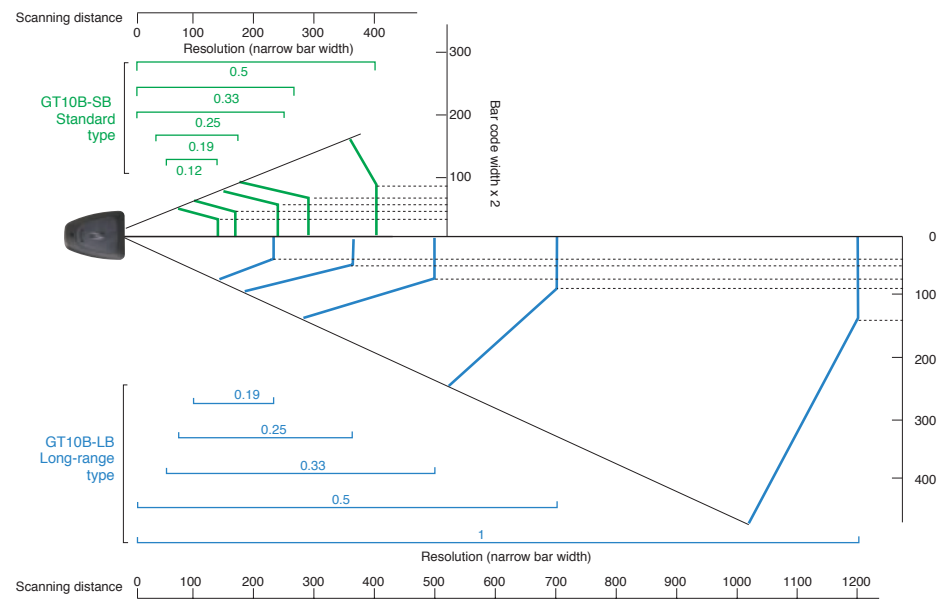
I/F	Between BA and host	RS-232C/USB/keyboard
	Between GT10B and BA	Bluetooth® Version1.1

### Unit Charger (CH-GT10N) Specifications

Charger	Charging time	Approx. 2.5 hrs
	Power source	AC adaptor

\*Supports USB keyboard interface and USB-COM interface. To utilize in USB-COM interface mode, please download the USB driver from Denso Wave's webpage (free of charge).  
\*Connection may not be possible depending on the type of PC or USB-HUB being used. Prior confirmation of compatibility is required.

## Scan Range



## Options

### Stand



### Hands-free stand



### Neck strap



### Hand strap



**For Safe Operation**  
Please read operation manual before use.

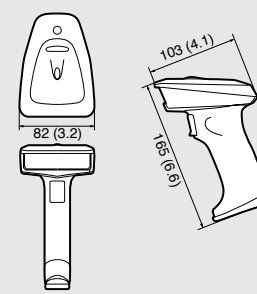
Appearance and specifications are subject to change without notice.  
Information in this catalog is current as of November 2004.

Manufacturer: DENSO WAVE INCORPORATED  
Printed in Japan on 100% -recycled paper

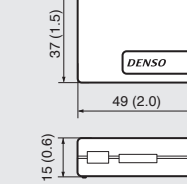
## GT10B-SB/LB

### Dimensions

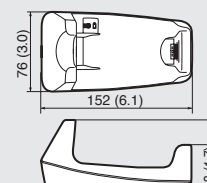
GT10B-SB/LB Unit: mm (inch)



### BA10-RKU



### CH-GT10N



## Software

- Setup software (Scanner settings)
- Keyboard I/F software [QR\_kbif]  
Receives data scanned by the GT10B and transforms it almost as if the data was input via a keyboard
- Items with this mark next to them can be downloaded free of charge from Denso Wave's website.

## Note regarding the use of the wireless LAN function

- Frequency**  
The 2.4 GHz frequency range used by this product may also be used in commercial, industrial and medical devices (license required in Japan). Before using this product, ensure that other RF systems are not being used close by. If other mobile ID systems are subjected to electrical interference from this product, promptly change the location that the product is used in, or stop the emission of radio waves from the product. If other mobile ID systems are subjected to electrical interference from this product, or any other problem should occur, please contact your salesperson.
- Types of radio wave and interference distances**  
Indicates wireless equipment operating at the 2.4 GHz bandwidth.  
Indicates FH-SS modulation method application.  
Indicates an anticipated interference distance of 40 meters or less.  
Indicates use of all bandwidths, and that mobile ID system bandwidths can be avoided.

# DENSO

## Wireless Barcode Handy Scanner GT10B Series GT10B-SB/LB

Bluetooth® --Facilitating smooth scanning operations  
Presenting the new wireless barcode scanner



Bluetooth®



November 2004  
PRINTED IN JAPAN  
1104B-1

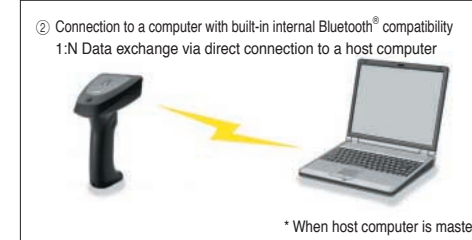
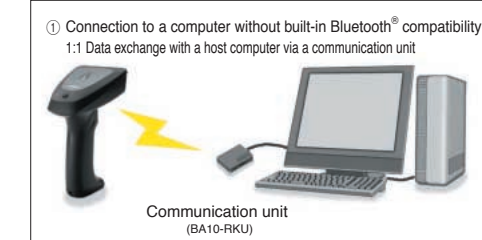
# Even more freedom with Bluetooth®

## The wireless barcode scanner that is now even easier to use

### Wireless

#### Connectable to a wide range of devices

- Built-in Bluetooth® wireless technology facilitates connection with a wide range of devices.



#### Improvement in workability with wireless connection

- Because there are no cables, the GT10B can be installed anywhere (Min. 10 m, with no obstructions).



- Can be connected by simply scanning the bar code underneath the communication unit.



#### 4 data-saving functions

- No connection error**  
Multiple units can be used simultaneously by specifying where to connect.
- Transmission Confirmation (planned)**  
Accurate data transmission possible with ACK/NAK protocol built-in.
- Data Check (planned)**  
Error correction code included in the data helps prevent missing and substitution of the data.
- Scan Lock**  
Prevents scanning in the event of disconnection.

#### Function to notify decline in battery voltage

- Buzzer and LED alarm function to warn of decline in battery voltage (planned).**  
An orange LED will flash at 5-second intervals and a buzzer will sound 3 times.



#### Extended operating time

- Twenty hours of operating time possible even with a constant Bluetooth® connection (at one scan per 5 seconds).**

#### Rapid Recharging

- Battery can be charged in approx. 2.5 hrs with the exclusive unit charger (CH-GT10N).**

### High Efficiency

#### Outstanding scanning capability

- Scanning from a distance of over 1 m possible using CCD technology (with 1.0 mm narrow bar codes).



- Stable scanning of broad barcodes such as EIAJ labels or EAN128.



### Durability

#### World-leading impact resistance

- With a stronger body and the use of impact-resistant rubber, the scanner can survive a 2 m drop—the highest standard in the world.



#### Superior environmental endurance

- After many years of developing high quality technology, IEC International Standards Protection Class IP54 (equivalent to JIS splash resistance) has been achieved, preventing water and dust from infiltrating the scanner.



### User-friendliness

#### Superior handling

- Vibrator Function**  
Scan completion confirmed by vibration
- Adjustable Buzzer Volume**  
3 levels of buzzer volume to suit the surrounding environment
- Tri-color Extra Bright LED**  
Tri-color LED display that shows operation status

Blue:  
Scanning completed  
Green:  
Processing completed  
Red:  
Error

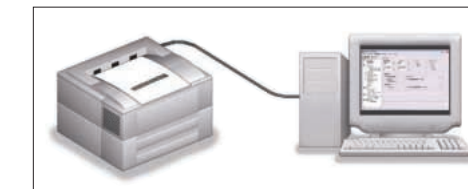


#### Simple setting with setup software

- Setup Software Easy to Install**

(Setup method 1)

Setup can be achieved by printing out a one-step setup barcode from the software provided and scanning it with the GT10B.



(Setup method 2)

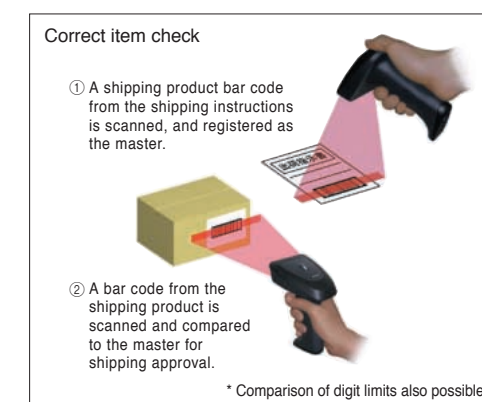
With setup software, GT10B parameter settings can be easily made via PC.



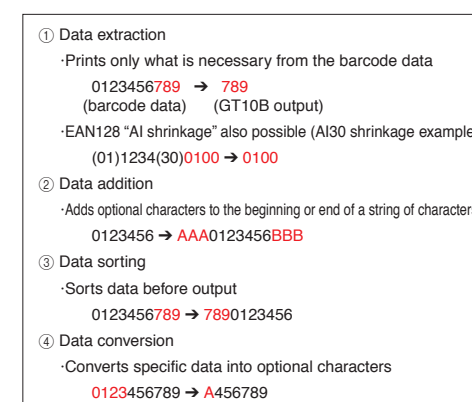
### Superior Functions

#### Wide range of functions

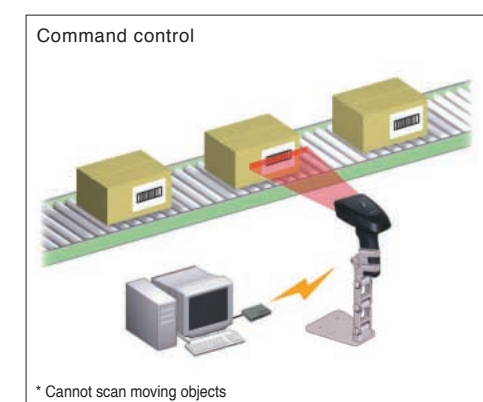
- Bar code Comparison**  
Determines if a bar code being scanned matches a master bar code registered in the GT10B.



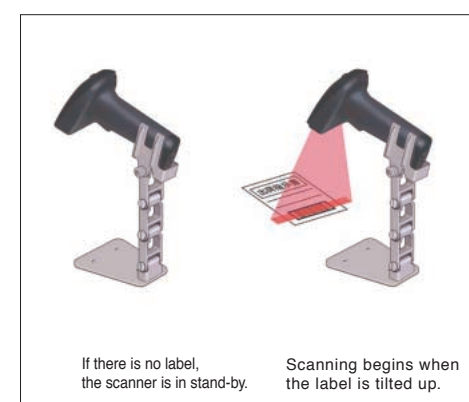
- Data Editing Function**  
Sorts scanned barcode data and prints out only necessary data.



- Software Trigger Function**  
Scanning can be turned on/off via a host computer command.



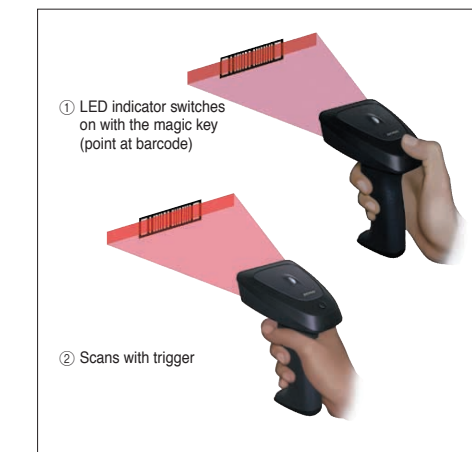
- Auto-sensing Function**  
Automatically begins scanning when a label is detected.



#### Use of magic key

- Wireless connection control**  
Wireless connection can be disconnected by pressing and holding the magic key for a few seconds. Reconnect by switching the trigger ON.
- Transmission of designated characters**  
Data that is already stored (eg operations initiation code) can be sent by switching the magic key ON.
- Retransmission of scanned data**  
Scanned data can be retransmitted when the magic key is ON so the bar code does not need to be repeatedly scanned.

#### LED indicator



\* This product utilizes a built-in wireless device based on Bluetooth® wireless technology.  
\* Denso Wave uses the Bluetooth® trademark under express license from Bluetooth SIG, Inc., U.S.A.



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