

DATECS

USER'S MANUAL



**Mobile Bluetooth
Scanner
DBS-55**

We wish you a pleasant work
with DBS-55!

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DATECS DBS-55

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INTRODUCTION

DATECS DBS-55

Main Features

DATECS BlueScan DBS-55 is the first miniature Bluetooth laser barcode scanner produced by DATECS. It is one of the smallest and lightest mobile laser scanners in the world.

Features:

Modes of Operation

- Active Bluetooth - disconnected / connected
- Active Search

- Button: One Scan Button
- Barcode Reader: 1D Barcode scanner – MDL-1000 Laser Scanning Engine
- Supported Barcodes: JAN/UPC/EAN/Add-on – NW-7/ CODABAR, CODE 11, CODE 39, CODE 93, CODE 39 FULL ASCII, CODE 128, IATA, Matrix 2 to 5, Code 11, 2 of 5 industrial, 2 of 5 interleaved, Codebar, MSI/Plessey, UK/Plessey, IATA, ISBN, ISMN, ISSN, Telepen, RSS 14, RSS Limited, RSS- Expanded, UCC/EAN-128
- Regulatory: Laser safety class: IEC 825, Class I laser product EMC : EN 55022, EN 55024
- LEDs: Three Bi-color LED for Device status (on the Main PCB)
- Processor: HD64F3687

DATECS DBS-55

Optical Specification

- Light Source: 650 nm visible laser diode
- Scan Method: Vibrating mirror
- Scan Rate: 100 scans/sec
- Decode Rate: 100 decodes/sec
- Reading Pitch Angle: +35° to 0°, 0° to -35°
- Reading Skew Angle: -8° to -50°, +8° to +50°
- Reading Tilt Angle: +20° to 0°, 0° to -20°

Interfaces

- Bluetooth
- BT Module
- Micro USB (option)– for charging

Bluetooth (option 1)

- Version 2.0
- Class 2
- Distance - up to 10m
- Serial port profile
- Antenna ANT8030-2R4-01A

Bluetooth (option 2)

- Version 3.0+HS
- Class 2
- Serial port profile
- iPod Accessory Protocol
- Antenna ANT8030-2R4-01A

- Operating: 0°C to +40°C / 35 to 85% RH
- Storage: -5°C to +40°C / 10 to 90% RH

Options

- Cable (option): Micro USB B to USB A
- Memory (option): 128 MB NAND Flash for Database storage

Size/Weight/Power

- W x L x H - 15 x 32 x 63 mm
- Weight - 25 gr.
- Power - 3.7V@260 mAh Li-Po battery

DATECS NOTICE

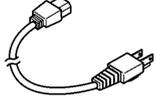
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- Do not handle, disassemble or repair the parts other than those specified in this manual.
- **DATECS** is not liable for any damage caused by user's erroneous use of the scanner and inadequate environment.
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Confirmation of Carton Contents

DATECS DBS-55

When unpacking the printer, check carefully that the following accessories are included in the carton:

Item	Part Name
1	DATECS BlueScan DBS-55 
2	USB cable (option) 
5	User's Manual 



Because of the continually evolving Drivers & SDK to support new mobile devices, Drivers & SDK are distributed online and is available for download at our website indicated below:

<http://datecs.bg/support.php?cat=4&soft=1#1>

Quick Start:

Step	What to do	Purpose	Where to find more information
1	Fully charge your DBS-55 as recommended.	The battery pack should be fully charged before use to ensure long battery life.	Charging Battery, Page 9.
2	Install Software.	Barcode Scanning require software to be installed onto your Smartphone.	Software is not provided by Datecs Please contact your DBS-55 reseller
3	Pair DBS-55 with your Smartphone	Established communication between your Smartphone and DBS-55	Pairing Page 12.

Charging the DBS-55:

The DBS-55 uses a Li-Po battery rechargeable battery pack. Before first use, the battery pack should be charged for at least (2) hours.

To prevent electrical damage to the DBS-55 and/or battery pack, please use approved USB to Micro USB cables only.



Charging via USB cable
(type A to micro USB), connected
to PC 5V

Pairing the device

DATECS DBS-55

The scanner has to be in OFF mode.

Press and hold the scan button for 15 seconds.



You will head two beep sounds. Release the button. Now the scanner is in pairing mode and can be browsed from the PDA, smart phone or a PC.

The device appears with DBS-55 in the bluetooth device list. When you find it, double click on it and click “pair”(Secure Simple Pairing). (For DBS-55 with BT3.0+HS)

The device appears with DBS-55 in the bluetooth device list. When you find it, double click on it and use 0000 as pass key. (For DBS-55 with BT2.0)