



BCS-07BW

2D Bluetooth Barcode Scanner with Screen



2. Technical parameters

Product Specification: BCS-07BW 2D Bluetooth Barcode Scanner with Screen		
Scanner parameters:		
Transmission mode: Bluetooth/2.4G		Storage: 100,000 barcodes
Distance: 50m/100m		Sensor: 640*480 CMOS Global shutter exposure
CPU: ARM 32-bit Cortex		Battery: 3.7V-2600mAh
Indication: Buzzer & LED		Light aimer: 617nm LED
Resolution : 4mil		Anti-inference: 0-100000Lux Max
Decoding speed: 500scans/sec		Illumination: 6500K LEDs
Printing Contract : ≥25%		Interface: USB
Button life : 8000,000 times		Material: ABS+PC
Trigger Mode: Handheld,Continuous,Auto-Induction		
Depth Of Field	13mil-EAN13	50-250mm
	4mil-code39	60-100mm
	20mil-QR	40-300mm
	10mil-PDF417	40-280mm
Decode Capability: 1D: UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, Standard 2 of 5, Coda bar, MSI Plessey, RSS, etc. 2D: QR Code, Data Matrix, PDF417, Aztec code, Maxicode, etc.		
Scanning angle: Angle of rotation360°, inclination± 65°, declination ± 60°		
Working current: 3.3Vx200mA		Standby current : 18uA-5mA
Working time : 7 to 10 days		Charging power: 5V-400mA
Certificate : CE, FCC, RoHS, IP54		Drop test : 2m

3. Packaging Details

- * Standard List: Scanner*1, Cable *1, Base*1, Manual *1,Box *1
- * Single Package Size: 185*120*86mm
- * Single Gross Weight: 0.5kg
- * 30pcs/CTN Carton Size: 438*380*380mm
- * 30pcs/CTN Carton G.W.:16Kg, N.W:14Kg

4. Product Pictures

Quickly Scan Various 1D/2D Barcodes

32-bit high-speed processor with strong decoding ability



1D Barcode:

UPC-A, UPC-E, EAN-8, EAN-13, Code128, Code39, Code 39Full ASCII, Codabar, Industrial 2 of 5, Interleaved 2 of 5, Code93, MSI, Code11, ISBN, ISSN, China Post, GS1 Databar, Code32, etc.

2D Barcode:

QR Code, Data Matrix, PDF417, Aztec code, Maxicode, etc.

Can read both normal and inverted (white barcode on black background) barcode



Windows



Android



Mac OS



Linux



Bluetooth

3 Types of Scanning Modes



Auto-sensing Scanning Mode



Continuous Scanning Mode



Key Trigger Mode

Plug and Play

No driver installation needed

Scan speed: 500scans/second

Support scan 1D 2D barcodes

640*480 CMOS Global shutter exposure





EU DECLARATION OF CONFORMITY

1. Model No., trademark:

Trademark	POWER ON
Model Name	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW,BCS-04,BCS-05BW

2. Name and address of the manufacturer:

Name of the manufacturer	DOT MEDIA LTD
Address	KATEVASIAS & NTALIAS 18 AXARNAI, GREECE

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

Product Type	Model Name	Sales Name
Barcode Scanner	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation directive and Other Union harmonisation legislation where applicable:

Radio Equipment Directive 2014/53/EU
RoHS Directive

6. References to the relevant harmonised standards or the common specifications used or references to the other technical specifications in relation to which conformity is declared:

Radio Equipment Directive	EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021; EN 55035: 2017+A11:2020 EN 301 489-1 V2.2.3 (2019-11); EN 301 489-17 V3.2.4 (2020-09) EN 300 328 V2.2.2 (2019-07); EN 62479:2010, EN IEC 62368-1:2020+A11:2020; EN IEC 62680-1-3:2022
RoHS Directive	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863 as well as RoHS harmonized standard EN IEC 63000: 2018.

7. EU Authorized Representatives Details:

Name: DOT MEDIA LTD

Address: KATEVASIAS & NTALIAS 18 AXARNAI, GREECE

Contact Person: Theodoros Mavroeidis

E-mail: info@dot-media.gr

Place and date of issue

AXARNAI, 20/11/2025

Signature

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΩΣΙΜΩΝ ΕΙΔΩΝ
& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ
ΜΟΝΑΡΧΙΚΟ ΣΥΜΒΟΛΟ ΚΑΙ ΕΠΙΧΕΙΡΗΣΙΑΚΟΥ ΕΞΟΠΛΙΣΜΟΥ
ΚΑΤΕΒΑΣΙΑΣ 18 & ΝΤΑΛΙΑΣ, ΑΧΑΡΝΑΙ, ΕΚ 23671
Α.Φ.Μ.: 999075747 - Δ.Ο.Υ.: ΑΧΑΡΝΩΝ
ΤΗΛ.: 210 2849836, 210 2840486, 210 2849419
FAX: 210 2446835

(Theodoros Mavroeidis)
Technical Manager



ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ

1. Αρ. μοντέλου, εμπορικό σήμα:

Εμπορικό σήμα	POWER ON
Όνομα μοντέλου	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW,BCS-04,BCS-05BW

2. Όνομα και διεύθυνση του κατασκευαστή:

Όνομα του κατασκευαστή	DOT MEDIA LTD
Διεύθυνση	Κατεβάσιας & Ντάλιας 18, Αχαρνές, Ελλάδα

3. Αυτή η δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.

4. Αντικείμενο της δήλωσης:

Τύπος προϊόντος	Όνομα μοντέλου	Όνομα πωλήσεων
Barcode Scanner	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW

5. Το αντικείμενο της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνο με τη σχετική οδηγία νομοθεσίας εναρμόνισης της Ένωσης και με άλλη νομοθεσία εναρμόνισης της Ένωσης, όπου ισχύει:

Οδηγία 2014/53/ΕΕ για τον ραδιοεξοπλισμό

Οδηγία RoHS

6. Παραπομπές στα σχετικά εναρμονισμένα πρότυπα ή στις κοινές προδιαγραφές που χρησιμοποιούνται ή παραπομπές σε άλλες τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση:

Οδηγία για τον ραδιοεξοπλισμό	EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021; EN 55035: 2017+A11:2020 EN 301 489-1 V2.2.3 (2019-11); EN 301 489-17 V3.2.4 (2020-09) EN 300 328 V2.2.2 (2019-07); EN 62479:2010, EN IEC 62368-1:2020+A11:2020; EN IEC 62680-1-3:2022
Οδηγία RoHS	Περιορισμός της χρήσης ορισμένων επικίνδυνων ουσιών σε ηλεκτρικό και ηλεκτρονικό εξοπλισμό, 2011/65/ΕΕ Παράρτημα II και τροποποιητική Οδηγία (ΕΕ) 2015/863 καθώς και εναρμονισμένο πρότυπο RoHS EN IEC 63000: 2018.

7. Στοιχεία εξουσιοδοτημένων αντιπροσώπων της ΕΕ:

Όνομα: DOT MEDIA LTD

Διεύθυνση: Κατεβάσιας & Ντάλιας 18, Αχαρνές, Ελλάδα

Υπεύθυνος επικοινωνίας: Θεόδωρος Μαυροειδής

E-mail: info@dot-media.gr

Τόπος και ημερομηνία έκδοσης

ΑΧΑΡΝΕΣ, 20/11/2025

Υπογραφή

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΟΓΙΣΜΩΝ ΕΙΔΩΝ
& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ
ΚΑΤΕΒΑΣΙΑΣ 18 & ΝΤΑΛΙΑΣ ΑΧΑΡΝΕΣ Τ.Κ. 23471
Α.Φ.Μ.: 899095747 - Δ.Ο.Υ.: ΑΧΑΡΝΩΝ
ΤΗΛ.: 210 2849836, 210 2840436, 210 2849419
FAX: 210 3446835

Θεόδωρος Μαυροειδής
Τεχνικός Διευθυντής



SKU: BCS-07BW

Type: 2D

Barcode Scanner

User Manual

Table of contents

Restore Defaults	1
Matching Operation(2.4G Mode)	1
Matching Operation(Bluetooth Mode)	1
To show and hide iOS keyboard	2
Other Modes	2
End Mark	2
Working Mode.....	3
Power and Standby Setup	4
Buzzer Setup	5
Vibration ON/OFF	5
Uppercase and lowercase	5
Invoice Function.....	6
Output Interval of The Same Code	6
Scan Mode Setting	6
Language.....	7
Hide the characters.....	8
Add Prefix and Suffix	8
Appendix 1: Character comparison table	9
Appendix 2: Barcode Type ON/OFF	14

If the scanner does not work or buzzer rang “Di-Di-Di-Di-Di”, please stop using the scanner and charging it immediately.

Restore Defaults

Scanner default setting 2.4GHz mode, use via USB receiver.

Bluetooth scanner use via bluetooth pairing.

If the scanner does not work properly, Please scan the code “Wireless Restore Defaults”



Wireless Restore Defaults

Matching Operation(2.4G Mode)

- 1, Press the button, the buzzer rang ,the scanner starts.
- 2, Scan the “2.4G Mode” barcode, then scan the “Match” barcode.
- 3, Plug the receiver to your computer, the buzzer rang “ Di---Di” , which means 2.4G pairing is successful.
- 4, Open a text, put the cursor in, Scan any barcode to see if the barcode can be uploaded.



2.4G Mode



Match

Matching Operation(Bluetooth Mode)

Bluetooth-related setting code apply only to Bluetooth-enabled products

- 1, Press the button, the buzzer rang ,the scanner starts.
- 2, Scan the “Bluetooth-HID Mode” barcode, then scan the “Match” barcode.
- 3, Enable bluetooth function on your device till find out “Barcode Scanner HID”, and click it to begin bluetooth pairing. Wait a few seconds, the buzzer rang “ Di”, which means bluetooth pairing is successful.
- 4, Open a text, put the cursor in, Scan any barcode to see if the barcode can be uploaded.



Bluetooth-HID Mode



Match

To show and hide iOS keyboard



Show/Hide iOS keyboard

To show Android keyboard, Pls contact us!



Double click show/hide iOS
keyboard--ON



Double click show/hide iOS
keyboard--OFF

Other Modes



Bluetooth SPP Mode



Bluetooth BLE Mode



USB COM

End Mark



CR



CR+LF



Tab



None

Working Mode



Instant upload Mode



Storage Mode

■ **Two upload mode:** Instant upload mode、storage mode.

► **Instant upload Mode:** Instant upload data to your computer
Upload successfully: The green light flashed and the buzzer rang “Di”.

► **Storage Mode :** Scan and store barcode inside the scanner, and uploaded the data to your computer when you need it.



Show total storage
(Show total number of memory)



Upload Data
(Upload Data to your computer)



High upload speed -default



Low upload speed



Zero clearing (clear all data in scanner)

- 1, Save successfully: The green light flashed and the buzzer rang “Di-en”
- 2, Save failed: The red light flashed and the buzzer range “Di---en”,
This indicates that there was not enough memory to save the bar code. Please upload the saved bar code by scanning “Upload Date” and then clear the Memory by scanning “Zero cleaning” .
- 3, Upload completed: the buzzer rang “Di-do-en” .

Power and Standby Setup



Battery Reserve (show battery level)

Set the time for automatic shutdown	
 30 seconds shutdown	 2 minutes shutdown
 5 minutes shutdown-Default	 30 minutes shutdown
 Never Standby	 Standby Immediately

► Battery level indication

Press the button, the scanner does not respond. Please charge the scanner at least for 30 minutes. If the scanner still cannot start, this indicates that the battery is broken and needs to be replaced.

► LED tips during charging

Plugged the USB cable into the USB port of computer

- (1) Charging mode: the red light is on.
- (2) Charging completed: the red light goes out.

Buzzer Setup



Volume Off



Low volume



Medium volume



High volume

Vibration ON/OFF

Only for products with vibration function



Wired-ON



Wired-OFF

Uppercase and lowercase



All uppercase



All lowercase



Normal Letter Case

Invoice Function



ON



OFF

Output Interval of The Same Code

In continuous mode and automatic induction mode



Delay 1s



Delay 3s



Delay 5s



Delay 7s



None



Delay forever

Scan Mode Setting



Trigger Mode



Continue Scan Mode



Auto Sense Mode

Language



American English *



British English



Spanish



Italian



Russian



Czech



French



Belgian(French)



German



German (IOS)



Portuguese



Brazil (Portuguese)



Japanese



Other Languages

Hide the characters

 Hide the front characters	 Hide the behind characters
 Hide 1 character	 Hide 2 characters
 Hide 3 characters	 Hide 4 characters
 Hide 5 character	 Hide 6 character
 Hide 7 character	 Hide 8 character

E.g. The bar code content is "123456789" , if you want to hide the previous two characters.

The first: Scan "Hide the front characters".

The second step: Scan "Hide 2 characters".

Add Prefix and Suffix

 Add Prefix	 Add Suffix
--	---

The first: Scan "Add Prefix" or "Add Suffix" .

The second step: Scan need to add the character code(Appendix 1).

Appendix 1 : Character comparison table

SOH	 %%01	CR	 %%0D
STX	 %%02	F1	 %%0E
ETX	 %%03	F2	 %%0F
EOT	 %%04	F3	 %%10
ENQ	 %%05	F4	 %%11
ACK	 %%06	F5	 %%12
BEL	 %%07	F6	 %%13
BS Backspace	 %%08	F7	 %%14
TAB	 %%09	F8	 %%15
LF	 %%0A	F9	 %%16
VT	 %%0B	F10	 %%17
FF	 %%0C	F11	 %%18

F12	 %%19	&	 %%26
SUB	 %%1A	,	 %%27
ESC	 %%1B	(	 %%28
FS	 %%1C	)	 %%29
GS	 %%1D	*	 %%2A
RS	 %%1E	+	 %%2B
US	 %%1F	,	 %%2C
Space	 %%20	-	 %%2D
!	 %%21	.	 %%2E
"	 %%22	/	 %%2F
#	 %%23	0	 %%30
\$	 %%24	1	 %%31
%	 %%25	2	 %%32

3	 %%33	@	 %%40
4	 %%34	A	 %%41
5	 %%35	B	 %%42
6	 %%36	C	 %%43
7	 %%37	D	 %%44
8	 %%38	E	 %%45
9	 %%39	F	 %%46
:	 %%3A	G	 %%47
;	 %%3B	H	 %%48
<	 %%3C	I	 %%49
=	 %%3D	J	 %%4A
>	 %%3E	K	 %%4B
?	 %%3F	L	 %%4C

M	 %%4D	Z	 %%5A
N	 %%4E	[	 %%5B
O	 %%4F	\	 %%5C
P	 %%50	]	 %%5D
Q	 %%51	^	 %%5E
R	 %%52	—	 %%5F
S	 %%53	`	 %%60
T	 %%54	a	 %%61
U	 %%55	b	 %%62
V	 %%56	c	 %%63
W	 %%57	d	 %%64
X	 %%58	e	 %%65
Y	 %%59	f	 %%66

g	 %%67	t	 %%74
h	 %%68	u	 %%75
i	 %%69	v	 %%76
j	 %%6A	w	 %%77
k	 %%6B	x	 %%78
l	 %%6C	y	 %%79
m	 %%6D	z	 %%7A
n	 %%6E	{	 %%7B
o	 %%6F		 %%7C
p	 %%70	}	 %%7D
q	 %%71	~	 %%7E
r	 %%72	DEL	 %%7F
s	 %%73		

Appendix 2 : Barcode Type ON/OFF

 1D CODE(ON)	 1D CODE(OFF)
 2D CODE(ON)	 2D CODE(OFF)
 1D Reverse Code (ON)	 QR Reverse Code (ON)
 DM Reverse Code (ON)	 PDF417 Reverse Code(ON)
 UPC-A(ON)	 UPC-A(OFF)
 UPC-A Check Bit (ON)	 UPC-A Check Bit(OFF)
 UPC-E(ON)	 UPC-E(OFF)

 UPC-e Check Bit(ON)	 UPC-e Check Bit(OFF)
 UPC-E to UPC-A(ON)	 UPC-E to UPC-A(OFF)
 UPC-A to EAN-13(ON)	 UPC-A to EAN-13(OFF)
 EAN-8 (ON)	 EAN-8 (OFF)
 EAN-13 (ON)	 EAN-13 (OFF)
 CODE 128 (ON)	 CODE 128 (OFF)
 GS1-128 (ON)	 GS1-128 (OFF)

 ISBT-128 (ON)	 ISBT-128 (OFF)
 Interleaved 2 of 5 (ON)	 Interleaved 2 of 5 (OFF)
 Matrix 2 of 5 (ON)	 Matrix 2 of 5 (OFF)
 CODE 39 (ON)	 CODE 39 (OFF)
 Code39 Check Bit (ON)	 Code39 Check Bit (OFF)
 Code 39 Full ASCII (ON)	 Code39 Full ASCII (OFF)
 CODE 32 (ON)	 CODE 32 (OFF)

 CODE 93 (ON)	 CODE 93 (OFF)
 CODE 11 (ON)	 CODE 11 (OFF)
 CODABAR (ON)	 CODABAR (OFF)
 PLESSEY (ON)	 PLESSEY (OFF)
 Industrial 2 of 5 (ON)	 Industrial 2 of 5 (OFF)
 MSI (ON)	 MSI (OFF)
 ITF14 (ON)	 ITF14 (OFF)

 QR CODE (ON)	 QR CODE (OFF)
 Data Matrix (ON)	 Data Matrix (OFF)
 PDF417 (ON)	 PDF417 (OFF)
 Aztec code (ON)	 Aztec code (OFF)
 Maxi code (ON)	 Maxi code (OFF)
 GS1-Databar (ON)	 GS1-Databar (OFF)
 Brazilian Bank code (ON)	 Brazilian Bank code (OFF)

Frequently ask question

The bar codes in the user manual are for programming, please don't scan them arbitrarily when no need, otherwise may affect the normal use of the product.

Please try to scan "Restore defaults" bar code in the user manual for a try if the scanner cannot use normally; if problem still not resolve, please try following methods.

Problem 1:

the scanner doesn't have electricity to start on.

Reason:

1. the cable interface loosed, please fixed connection interface.
2. the computer front USB port power supply shortage, please replace the computer interface or change another to try.
3. used the incorrect cables, please use the original cable which the factory is equipped with
4. cable fault, please send back to the factory repair.

Problem 2:

the scanner has laser, but can't read the barcode.

Reason:

1. barcode has flawed, and try to scan the same type barcodes for testing again.
2. the scanning mode is not correct, scanning laser need to completely cover the barcode, if still can't read, please adjust the scanning distance and Angle, the scanner can't read the barcode at 90° angle.
3. the scanner did not open the corresponding code system, it has to scan the barcode after open the corresponding code system.

Problem 3:

the scanner has laser and it can read barcode, but can't upload the data

Reason:

1. The scanner has set up the incorrect output mode, please set the correct output mode refer to the manual.
2. the cable transmission failure, please replace the cable.

Problem 4:

the scanner has laser and it can read barcode. but it uploads the wrong decoding barcode.

Reason: the keyboard layout of the scanner is different with the country you used, please use the scanner to read the keyboard settings on the manual.

If you have any question or concern about the operation of the scanner, please contact us!

SKU: BCS-07BW

Producer: Dotmedia ltd

Address: Katevasias & Ntalias 18 Axarnai, Greece

Declaration for EU Hereby, Dotmedia ltd declares that the radio equipment type BCS-07BW is in compliance with Directive 2014/53/EU, the full text of the EU declaration of conformity is available at the following internet address:

<https://www.dot-media.gr/el/>



DOT MEDIA®

DOTMEDIA LTD, 18 KATEVASIAS str & DALIAS str,
ACHARNES 13671, ATHENS-GREECE.



Made in P.R.C