



BCS-02BW

1D CCD Bluetooth Barcode Scanner



2. Technical parameters

Product Specification: BCS-02BW 1D CCD Bluetooth Barcode Scanner		
Scanner parameters:		
Transmission mode: Bluetooth/2.4G/Wired		Imaging Sensor : CCD
Distance: 50m/100m/1.5m		CPU: ARM 32-bit Cortex
Storage: 10000 barcodes		Battery: 1800mAh
Trigger Mode: Button,Continuous		Optical Source: 620nm Visible red light diode
Printing Contract : ≥25%		Indication: Buzzer & LED
Resolution : 4mil		Scanning width : 30cm
Decoding speed: 200scans/sec		Button life : 5000,000 times
Shell Material: ABS + PC		BER: 1/5million
Depth Of Field	4mil	2mm-280mm
	10mil	2mm-380mm
	15.6mil	5mm-650mm
	35mil	10mm-1000mm
Decoding Capability: 1D:UPC/EAN、with complementary UPC/EAN、Code128、Code39、Code 39Full ASCII、Coda bar、 industrial /Interleaved 2 of 5 Code93、MSI、Code11、ISBN、ISSN、China post、 etc		
Scanning angle: ± 60 ° ± 65 ° ± 42 ° (left and right, front and rear, turn)		
Power: 250 mW (work): 500 mW (maximum instantaneous)		
Current: 50 mA (work): 100 mA (maximum instantaneous)		
Working time : 3 to 10 days		Charging power: DC 5V ± 0.25 V
Certificate : CE, FCC, RoHS, IP54		Drop test : 2.0m

3. Packaging Details

- * Standard List: Scanner*1, Charging Cable *1, USB Receiver *1, Manual *1, Box *1
- * Single Package Size: 167*80*100mm
- * Single Gross Weight: 0.28KG
- * 50pcs/CTN Carton Size: 535*420*350mm
- * 50pcs/CTN Carton G.W.:14Kg, N.W:12Kg

4.Product Pictures





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
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(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

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Τόπος και ημερομηνία έκδοσης

ΑΧΑΡΝΕΣ, 20/11/2025

Υπογραφή

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΟΓΙΣΜΩΝ ΕΙΔΩΝ
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Τεχνικός Διευθυντής



SKU: BCS-02BW

Type: CCD

Barcode Scanner

User Manual

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Trigger Mode



Keys Trigger(*default)



Continuous Mode



Auto-sense



Restore defaults

To set the scanner to factory settings, please scan the code

Pairing operation

1. Bluetooth pairing operation

- 1, Scan "Bluetooth HID"(SPP/BLE scans SPP or BLE)



Bluetooth HID

- 2, Scan "Pairing", the bluetooth indicator flashing which means in pairing
(Note: At this point, double-click will exit the pairing state.)



Pairing

- 3, Choose the scanner is going to pair with the host, When the connection is successful, the bluetooth indicator is always on and the buzzer beeps "Di".

2. 2.4G pairing operation

- 1, Scan "2.4G".



2.4G

- 2, Scan "Pairing", the wireless indicator flashing which means in pairing.



Pairing

- 3, Insert 2.4G-Receiver, When the connection is successful, the wireless indicator is always on and the buzzer beeps "Di".

3. Communication mode

Support Bluetooth -HID/SPP/BLE/2.4G



2.4G



Bluetooth HID*



Bluetooth SPP



Bluetooth BLE

Bluetooth-HID speed



Fast*



Middle



Low



Lowest

Note: If the data is lost, Please set the slow speed.

IOS keyboard



Show/hide IOS keyboard

Note: Scan this barcode to show/hide the keyboard in IOS .



Show/hide IOS keyboard
double-click -ON*



Show/hide IOS keyboard
double-click -OFF

Power and Standby



show battery level

Sleep time setting



30s



1min



2min



5min*



10min



30min



Not sleep



Shutdown

Working Mode



Instant upload Mode *

Barcode data is uploaded to your device.

(1): Upload successfully: The buzzer rang “ Di ”.

(2): Upload failed: The buzzer rang “ Di-Di-Di ”.



Storage mode

Barcode data is stored in the scanner memory.

(1): Save successfully : The buzzer rang “ Do-Di ”.

(2): Save failed : The buzzer range “ Di-Di-Di ”.



Show total storage

Show total number of memory.



Upload Data

After the data is uploaded, the stored barcode data will not be automatically deleted and can be uploaded multiple times, Please upload as close as possible to the receiver, ensure the signal is good, or upload by cable.



Clear data

Clear all data in memory, Please use it with caution!

Sound



Closed sound



Low volume



Medium volume



High volume*

Vibration ON/OFF



Vibration-ON*



Vibration-OFF

Note: If you do not need vibration, Set OFF and extend the use time.

Wired ON/OFF



Wired-ON*



Wired-OFF

Note: Wired Settings, effective after plug – in.

Capital & Lowercase



Don't convert *



All Lowercase



All capital

End character



CR*



LF



Tab



CR+LF



None

Language



American English *



British English



German



German (IOS)



French



Belgian(French)



Spanish



Russian



Portuguese



Brazil (Portuguese)



Italian



Japanese



Czech



Universal

Note: No language, please scan the universal keyboard.

Data editing

1. Hide front/back characters

1, Scan you want "speed-barcode"



Hide front character



Hide back character

Note: "Hide front/back character" can take effect simultaneously.

2, Scan hidden bits.



1



2



3



4



5



6



7



8

Cancel this setting, please followed by step 1 .

2. Prefix and suffix

1, Scan you want "prefix or suffix".



prefix



suffix

Note: "prefix and suffix" can take effect simultaneously.

2, Scan the character barcode you want to add. (appendix).

Note: Up to 32 characters can be added.

Cancel this setting, please followed by step 1 .

Appendix 1 : ASCII-Barcode Table

SOH	 %%01	STX	 %%02
ETX	 %%03	EOT	 %%04
ENQ	 %%05	ACK	 %%06
BEL	 %%07	BS Backspace	 %%08
TAB	 %%09	LF	 %%0A
VT	 %%0B	FF	 %%0C
CR	 %%0D	F1	 %%0E
F2	 %%0F	F3	 %%10
F4	 %%11	F5	 %%12

F6	 %%13	F7	 %%14
F8	 %%15	F9	 %%16
F10	 %%17	F11	 %%18
F12	 %%19	SUB	 %%1A
ESC	 %%1B	FS	 %%1C
GS	 %%1D	RS	 %%1E
US	 %%1F	Space	 %%20
!	 %%21	"	 %%22
#	 %%23	\$	 %%24

%	 %%25	&	 %%26
,	 %%27	(	 %%28
)	 %%29	*	 %%2A
+	 %%2B	,	 %%2C
-	 %%2D	.	 %%2E
/	 %%2F	0	 %%30
1	 %%31	2	 %%32
3	 %%33	4	 %%34
5	 %%35	6	 %%36

7	 %%37	8	 %%38	
9	 %%39	:	 %%3A	
;	 %%3B	<	 %%3C	
=	 %%3D	>	 %%3E	
?	 %%3F	@	 %%40	
A	 %%41	B	 %%42	
C	 %%43	D	 %%44	
E	 %%45	F	 %%46	
G	 %%47	H	 %%48	

I	 %%49	J	 %%4A	
K	 %%4B	L	 %%4C	
M	 %%4D	N	 %%4E	
O	 %%4F	P	 %%50	
Q	 %%51	R	 %%52	
S	 %%53	T	 %%54	
U	 %%55	V	 %%56	
W	 %%57	X	 %%58	
Y	 %%59	Z	 %%5A	

[	 %%5B	\	 %%5C
]	 %%5D	^	 %%5E
_	 %%5F	,	 %%60
a	 %%61	b	 %%62
c	 %%63	d	 %%64
e	 %%65	f	 %%66
g	 %%67	h	 %%68
i	 %%69	j	 %%6A
k	 %%6B	l	 %%6C

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

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-02BW

Producer: Dotmedia ltd

Address: Katevasias & Ntalias 18 Axarnai, Greece

Declaration for EU Hereby, Dotmedia ltd declares that the radio equipment type BCS-02BW is in compliance with Directive 2014/30/EU, the full text of the EU declaration of conformity is available at the following internet address: <https://www.dot-media.gr/el/>



DOTMEDIA®

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Made in P.R.C