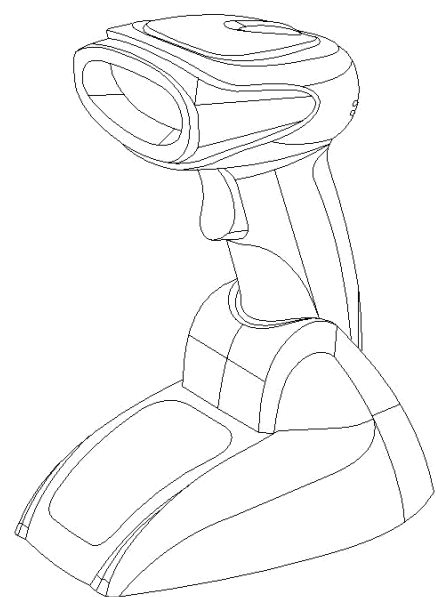# AirTrack S2-W
2D Bluetooth Barcode
Scanner User Guide

Factory Default

Version

V2.0

Introduction

This device provides a complete solution for computer information system, which is accurate, easy to use and fast data entry and deposit. It has two kinds of working mode: "Manual" and "Auto-Continuous",default one is "Manual".

The scanner with automatic re-connection function after successfully paired with receiver or Apple/Android devices,which is apply to following three conditions:

1. POWER OFF: Only need to press the scanner button for about 3 seconds, the scanner will be restarted, and automatically connected into the paired receiver, and maintain the working status of last connection
2. Distance between the scanner and receiver exceed the max data transmission distance: Only by going back to the transmission distance, the scanner will automatically connect to the paired receiver
3. Pull off the receiver: In such a situation, scanner will search the receiver automatically and re-connect when plug the receiver to computer again.

Note: The receiver must be plugged to the same computer.

The device goes to sleep status in 2 minutes, press the button for 3 seconds to re-activate it, then hear two beeps, follow a long beep,then the scanner will re-connect to receiver automatically, both indication lights on scanner and receiver become purple after successfully paired.

All parameter settings of the scanner can be finished by scanning barcodes, and saved in the storage memory, and still keep settings after power off.

Receiver's Interfaces

USB-HID   USB-COM

Scanner pair with receiver

一、One Scanner Pair With One Receiver

1、Plug the Bluetooth receiver into PC

2、Factory Default   4、Open a SPP channel

3、Enter Setting   5、Disconnect previous connection

6、Scan the receiver's MAC code(The code is sticked on the receiver's case)

7、Auto reconnection   8、Storage Bluetooth SPP setting

9、Finish Bluetooth SPP setting   10、IOS Transmission OFF

11、Both indication lights of scanner and receiver will become purple after pair succeed

二、One Scanner Pair With Multiple Receivers

1. Enter Setting   5. Save settings

2. Open seven channels   6. Finish Bluetooth settings

3. Disconnect all previous connections   7. Setting receiver Bluetooth

4. Read each receiver ID code（Plug receivers into different computers, and scan the code of the receivers sequentially)

三、Multiple Scanners Pair With One Receiver

1、Enter Setting   2、Open one channel

3. Disconnect all previous connections   5、Auto reconnection

4、Scan the receiver ID code(The code is sticked on the receiver's case)

6、Save Settings   7、Finish Bluetooth settings

8. Setting receiver Bluetooth（Only for the first scanner connection)

Note: The first scanner according to the 1-7 steps operation, after its paired with receiver (blue light ON), scan this barcode. The rest scanners only operate the 1-7 steps.

Scanner pair with IOS/Android device

1、Factory Default   5、Bluetooth visible

2、Enter Setting   6、Auto reconnection

3、Open a HID channel   7、Storage Bluetooth HID setting

4、Disconnect previous connection   8、Finish HID setting

9、IOS device setting need open its transmission mode, if not IOS device, OFF it

IOS Transmission ON   IOS Transmission OFF

10、Turn on Bluetooth feature on IPAD or other Mobile device, and searching, till find this device (NVC -MD – CS45) and connect it

11、Both indication lights of scanner and receiver will become purple after pair succeed.

Sleep Time Setting

Setting steps:

1. Scan"Factory Default"
2. Scan"Enter Sleep Time Setting"
3. Set sleep time parameter (Unit: minutes)

Example: Set sleep time 10 minutes, scan the sleep time number"0", "1"and "0"In order

Note: The sleep time is 1 to 999 minutes, consisting of three digits, followed by one hundred, ten, a bit, each set of sleep time must be three-digits number

4.Scan "Save Sleep Time Parameter"

Note: After setting the sleep time parameter, the parameter must be saved. If set error, the scanner will give a alarm, and you need to set again

Enter Sleep Time Setting   Save Sleep Time Parameter

Sleep Time Number Code:

0   1

2   3

4   5

6   7

8   9

Display keyboard and hide keyboard (Only for Apple Devices):

Add Prefix   Delete Prefix

Upload Statistic Data   Clear All Data

Number Appendix

1.when the keyboard displayed, scan this barcode, it will hided
2.when the keyboard hided, scan this barcode, it will displayed

suffix Settings

Buzzer Settings

Keyboard Control Case

Example to add a suffix:
Set customized suffix "ODE"
1、Check the hex values of "ODE" in the ASCII Table("ODE":4F,44,45)
2、Scan the "Set Custom suffix" barcode
3、Scan the numeric barcodes"9","9","4","F", "4","4","4",and"5" in Appendix
4、Scan the "Save Settings" barcode

0   1

Upper Case   Lower Case

Higher(Default)   Mid

2   3

Add Suffix   Delete Suffix

Lower   OFF

None Conversion

4   5

Image Reverse

Trigger Method

CR & LF   CR

ON   OFF

6   7

Manual (Default)   Auto-continuous

LF   TAB

USB-HID Languages Settings

8   9

Illumination

Inventory Mode

USA   UK

A   B

Light ON   Light OFF

Enter Inventory Mode   Quit Inventory Mode

France   Italy

C   D

Prefix Settings

Example to add a prefix:
Set customized prefix "ODE"
1、Check the hex values of "ODE" in the ASCII Table("ODE":4F,44,45)
2、Scan the "Set Custom Prefix" barcode
3、Scan the numeric barcodes"9","9","4","F" ,"4","4", "4",and"5" in Appendix
4、Scan the "Save Settings" barcode

Upload All Data   Upload New Data

Belgium   Germany

E   F

Spain   Turkey-F

Save Settings

Hex	Code	Description		Hex	Code	Description
00	NUL	(Null char.)		40	@	(AT Symbol)
01	SOH	(Start of Header)		41	A	
02	STX	(Start of Text)		42	B	
03	ETX	(End of Text)		43	C	
04	EOT	(End of Transmission)		44	D	
05	ENQ	(Enquiry)		45	E	
06	ACK	(Acknowledgment)		46	F	
07	BEL	(Bell)		47	G	
08	BS	(Backspace)		48	H	
09	HT	(Horizontal Tab)		49	I	
0a	LF	(Line Feed)		4a	J	
0b	VT	(Vertical Tab)		4b	K	
0c	FF	(Form Feed)		4c	L	
0d	CR	(Carriage Return)		4d	M	
0e	SO	(Shift Out)		4e	N	
0f	SI	(Shift In)		4f	O	
10	DLE	(Data Link Escape)		50	P	
11	DC1	(XON) (Device Control 1)		51	Q	
12	DC2	(Device Control 2)		52	R	
13	DC3	(XOFF) (Device Control 3)		53	S	
14	DC4	(Device Control 4)		54	T	
15	NAK	(Negative Acknowledgement)		55	U	
16	SYN	(Synchronous Idle)		56	V	
17	ETB	(End of Trans. Block)		57	W	
18	CAN	(Cancel)		58	X	
19	EM	(End of Medium)		59	Y	
1a	SUB	(Substitute)		5a	Z	
1b	ESC	(Escape)		5b	[	(Left / Opening Bracket)
1c	FS	(File Separator)		5c	\	(Back Slash)
1d	GS	(Group Separator)		5d	]	(Right / Closing Bracket)
1e	RS	(Request to Send)		5e	^	(Caret / Circumflex)
1f	US	(Unit Separator)		5f	_	(Underscore)
20	SP	(Space)		60	`	(Grave Accent)
21	!	(Exclamation Mark)		61	a	
22	"	(Double Quote)		62	b	
23	#	(Number Sign)		63	c	
24	$	(Dollar Sign)		64	d	
25	%	(Percent)		65	e	
26	&	(Ampersand)		66	f	
27	'	(Single Quote)		67	g	
28	(	(Right / Closing Parenthesis)		68	h	
29	)	(Right / Closing Parenthesis)		69	i	
2a	*	(Asterisk)		6a	j	
2b	+	(Plus)		6b	k	
2c	,	(Comma)		6c	l	
2d	-	(Minus / Dash)		6d	m	
2e	.	(Dot)		6e	n	
2f	/	(Forward Slash)		6f	o	
30	0			70	p	
31	1			71	q	
32	2			72	r	
33	3			73	s	
34	4			74	t	
35	5			75	u	
36	6			76	v	
37	7			77	w	
38	8			78	x	
39	9			79	y	
3a	:	(Colon)		7a	z	
3b	;	(Semi-colon)		7b	{	(Left / Opening Brace)
3c	<	(Less Than)		7c			(Vertical Bar)
3d	=	(Equal Sign)		7d	}	(Right / Closing Brace)
3e	>	(Greater Than)		7e	~	(Tilde)
3f	?	(Question Mark)		7f	DEL	(Delete)