

# METAPACE

# S-52

# Configuration Guide





Enter setup

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Exit setup



Enter setup

---

## Chapter 1: Factory Defaults

Scan "Restore all Factory Defaults" to restore all settings.  
Barcodes with "\*" are the factory default setting.



Restore all Factory Defaults

Users can set the corresponding requirements, then scan and save the current settings as custom defaults.



Save as Custom Defaults

Scan "Custom Defaults" to restore all custom default settings.



Restore all Custom Defaults



Exit setup



Enter setup

---

## Chapter 2: Product Information



Query Model Number



Manufacturer Website



Company Name



Exit setup



Enter setup

---

## Chapter 3: Communication Interface

When connected with USB, scan “USB-KBW” to configure the standard keyboard output



\* USB-KBW

When connected with USB, scan “USB-COM” to configure the virtual serial output



USB-COM

When connected with Serial Line scan “TTL/RS232” to configure serial output, serial port related default configuration is: 9600 bps, 8 bits, no parity bit, one stop bit.



TTL/RS 232



Exit setup



Enter setup

---

## TTL232/RS232



1200 bps



2400 bps



4800 bps



\* 9600 bps



19200 bps



38400 bps



Exit setup



Enter setup



57600 bps



115200 bps



7-N-1



7-N-2



\* 8-N-1



7-E-1



7-E-2



Exit setup





Enter setup

---



8-E-1



7-O-1



7-O-2



8-O-1



Exit setup



Enter setup

---

## Chapter 4: Scan Mode

### 1. Manual Mode

Manual mode-keep button down, press the button to trigger the reading, and release the button to end the reading. If the reading time is successful or the reading time exceeds the single reading time, the reading will end.



\*Manual mode - Keep button down

Manual mode - Button trigger, press the button to trigger to read, release the button but not end reading, when reading success or reading time exceeds the single reading time, reading ends.



Manual mode - Button trigger



\* Enable single reading time



Unlimited scan time



Exit setup



Enter setup

---



Set reading time 1000 ms



Set reading time 2000 ms



Set reading time 3000 ms



\*Set reading time 6000 ms



Set reading time 10,000 ms



Set One Reading Time (100 ms ~ 25,500 ms)



\* Only Read One Code



Exit setup



Enter setup

---



Enable Batch reading code



Max 2 codes



Max 5 codes



Max 10 codes



Max 16 codes



\* Max 32 codes



Set any number



Exit setup



Enter setup

---

After jumping from other modes to manual mode, it is allowed to return to the original mode after a period of off time. Read the following setting code to select different delays. The default time is 4000 ms.



After off 500 ms to return



After off 1000 ms to return



After off 2000 ms to return



After of 3000 ms to return



Set Return Delay (100 ms ~ 5,000 ms)



Exit setup



Enter setup

---

## 2. Continuous Scanning Mode

Continuous Scanning Mode, no manual trigger required. When reading success or after the end of single code reading time, will automatically start the next reading. (Continuous scanning period can switch to manual mode by pressing the button temporary.)



Continuous mode



\*Temporary switching manual mode



Do not temporary switching Manual Mode

### Single reading time

In continuous scanning mode, the maximum amount of time that continuous recognition is allowed before successful reading.



Set reading time 1,000 ms



Set reading time 2,000 ms



Exit setup



Enter setup

---



Set reading time 3,000 ms



\* Set reading time 6,000 ms



Set reading time 10,000 ms



Set reading time 20,000 ms



Set Single Reading Time (100 ms ~ 25,500 ms)

### Read interval setting

The space time between two readings, that is, after the last reading (whether the reading is successful or not), there is no reading within the setting space time, and the next reading is not conducted until the end of the space time.



Set Space time 0 ms



Exit setup



Enter setup

---



Set Space time 100 ms



Set Space time 200 ms



\* Set Space time 500 ms



Set Space time 1,000 ms



Set Space time 2,000 ms



Set Space time (0 ms ~ 4,000 ms)



Exit setup





Enter setup

---

### The same barcode reading delay time

In order to avoid repeated reading of the same barcode, when reading the same barcode again, only when the space time is longer than the delay time, can reading be allowed.



Set same code delay time 0 ms



Set same code delay time 500 ms



\*Set same code delay time 1000 ms



Set same code delay time 2000 ms



Set same code delay time 3000 ms



Set same code delay time 4000 ms



Exit setup



Enter setup

---



Set same code delay time 10,000 ms



Set same code delay time (0 ms ~ 10,000 ms)



Exit setup



Enter setup

---

### 3. Automatic Scanning Mode

In Automatic Scanning Mode, no manual trigger required, The sensor will automatically detect the surrounding environment. When the scene changes, it will automatically trigger reading. When reading is successful or exceeds one reading time, reading will end. Whether the last reading is successful or not, the detection state will be re-entered. (Temporary switching manual mode by triggering the key during the sensing reading.)



Automatic scanning mode



Use aiming aids



\*Do not use aiming aids



\*Temporary switching manual mode



Do not temporary switching manual mode



Exit setup



Enter setup

---

### The same barcode reading delay time

In order to avoid repeated reading of the same barcode, when reading the same barcode again, only when the space time is longer than the delay time, can reading be allowed.



Set same code delay time 500 ms



\* Set same code delay time 1,000 ms



Set same code delay time 2,000 ms



Set same code delay time 3,000 ms



Set same code delay time 10,000 ms



Set same code delay time (100 ms ~ 10,000 ms)



Exit setup



Enter setup

---

## Image time

Stable time before entering the detection environment.



Set Image time 100 ms



Set Image time 200 ms



Set Image time 500 ms



\*Set Image time 1,000 ms



Set Image time (100 ms ~ 3,000 ms)



Exit setup



Enter setup

---

## Sensitivity

Detects the degree of change in the scene.



\* High Sensitivity



Medium Sensitivity



Low Sensitivity

## Set Single Reading Time

In Automatic Scanning Mode, the maximum amount of time that continuous recognition is allowed before successful reading.



Set reading time 1,000 ms



\*Set reading time 2,000 ms



Set reading time 3,000 ms



Set reading time 5,000 ms



Exit setup



Enter setup

---



Set reading time 10,000 ms



Set reading time 20,000 ms



Set reading time (100 ms ~ 25,500 ms)



Exit setup



Enter setup

---

## Chapter 5: Illumination and Aiming

### 1. Illumination

Illuminating light provide illumination aids for reading, improve reading performance and adaptability to weak ambient light.



\*Reading On



Off



On

### 2. Aiming

Aiming light can help users find the best reading area while reading.



\*Reading On



Off



On



Exit setup





Enter setup

---

## Chapter 6: Output Remind



The indicator does not flash



\* The indicator flash 1 time



The indicator flash 2 times



The indicator flash 3 times



The indicator flash 4 times



The indicator continue time 100 ms



Exit setup



Enter setup

---



The indicator continue time 200 ms



The indicator continue time 500 ms



The indicator continue time 1000 ms



The indicator continue time 1500 ms



The indicator continue time 2000 ms



The indicator interval time 100 ms



The indicator interval time 200 ms



Exit setup



Enter setup

---

## 2. Reading Sound

### (1) All indicator



Off



\*On



Disable power on sound



\* Enable power on sound



Disable setting code sound



\* Enable setting code sound



Exit setup



Enter setup

---

## Volume



Low



\*Loud



Medium

### (2) Successful sound remind



\* Use sound remind



Do not use sound remind



\*Sound remind 1 time



Exit setup



Enter setup

---



Sound remind 2 times



Set sound remind times (1~5)

### (3) Sound frequency



Set sound frequency 1600 Hz



\*Set sound frequency 2700 Hz



Set sound frequency 3200 Hz



Set sound frequency 4200 Hz



Exit setup



Enter setup



Set sound frequency (100 ~ 20,000 Hz)

#### (4) Read sound time



Set sound time 50 ms



\* Set sound time 100 ms



Set sound time 150 ms



Set sound time 200 ms



Set sound time 250 ms



Exit setup



Enter setup

---



Set sound time 300 ms

### 3. Decode status remind



Enable NG (No Read)



\*Disable NG (No Read)



Set No Read information (1-16 bytes)



Exit setup



Enter setup

---

#### 4. Keyboard language



United States



Belgium



Brazil



Canada French



Czech



Denmark



Finland



France



Exit setup





Enter setup

---



Germany



Greek



Hungary



Israel



Italy



Latin America



Dutch Netherlands



Exit setup



Enter setup

---



Norway



Poland



Portugal



Romania



Russia



SCS



Slovakia



Exit setup



Enter setup

---



Spain



Sweden



Switzerland German



Turkey F



Turkey Q



United Kingdom



Japan ASCII



Exit setup



Enter setup



Italian 14

## 5. Set Virtual Keyboard



Output characters ALT+numeric keys



\* Output characters using a large keyboard



Use "Ctrl" to combine output control characters



\*Original output control character



Enable small keypad



\* Disable small keypad



Exit setup



Enter setup

---

## 6. Case conversion



\* No case conversion



Convert all to upper case



Convert all to lower case



Letter case exchange



Using shift to unblock uppercase locking



Using capslock to unblock uppercase locking



Exit setup



Enter setup

---

## 7. Data encoding format

To enable the host to print Chinese data in the specified encoding format, you can set it by reading "data encoding format".

GBK format, suitable for notepad, Excel and other software. Unicode, suitable for Word and other software.



GBK Chinese direct transmission



GBK-Unicode Chinese direct transmission



BIG5 Chinese direct transmission



BIG5-Unicode direct transmission



\*Disable Chinese direct transmission



Exit setup



Enter setup

---

## 8. VAT invoice automatic identification output function



\* On



Off

## 9. Image Flipping (Mirror Image)



\*Do not flip



Flip horizontally & vertically



Flip vertically



Flip horizontally



Exit setup



Enter setup

---

## Chapter 7: Data editing

### 1. Data editing



\*Enable data editing



Disable data editing

### 2. Symbol name display



Enable symbol name display



Disable symbol name display

### 3. Symbol length display



Enable symbol length output



Exit setup





Enter setup

---



Disable Symbol length output

#### 4. CODE ID

Users can identify different barcode types by Code ID. The corresponding Code ID of each barcode type can be modified by themselves (the corresponding setting Code can be found in the enable/disable configuration of barcode type). Code ID uses one character to identify , see appendix 3.



Enable code ID



Disable code ID



Code ID before prefix



\* Code ID after prefix



Enable AIM ID output



Exit setup



Enter setup

---



\* Disable AIM ID output

## 5. Terminal Charater



\*Enable terminal charater



Disable terminal charater



Do not add terminal character



Set terminal CR



Set terminal CR+LF



Exit setup



Enter setup

---



Set Terminal TAB



Set Terminal CR+CR



Set Terminal CR+LF+CR+LF



Set Terminator Character (1-8 bytes)

## 6. Prefix/Suffix Setting

Prefix/suffix is a user-defined modified character string before or after decoding information, which can be added by scanning "Enable prefix" or "Enable suffix" setting code.

Set prefix/suffix, scan setting codes of "set prefix" or "set suffix", and combine the scanning numeric setting codes, set these values, and scan a four-digit (i.e., four bar codes) corresponding to ASCII values.



Enable Prefix

---



Exit setup



Enter setup

---



\*Disable Prefix



Set Prefix (1~16 bytes)



\*Disable Suffix



Enable Suffix



Set Suffix (1~16 bytes)



Exit setup



Enter setup

---

## Chapter 8: Symbologies editing and enable/disable configuration



Disable all Symbologies



Enable all symbologies



Disable 1D symbologies



Enable 1D symbologies



Disable 2D symbologies



Enable 2D symbologies



Exit setup



Enter setup

---

## EAN-8



\* Enable EAN-8



Disable EAN-8



Do not transmit code 11 check character



\* Transmit Code 11 check character



Set No.1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---



Convert EAN-8 to EAN-13



Do not convert EAN-8 to EAN-13



Enable 2-digit add-on code



Disable 2-digit add-on code



Enable 5-digit add on code



Disable 5-digit add-on code



Equire add-on code



Exit setup



Enter setup

---



Do not require add-on code



Add delimiter before the add-on code



Do not delimiter

## EAN-13



Enable EAN-13



Disable EAN-13



Do not transmit check character after verification



Exit setup





Enter setup

---



Transmit check character after verification



On ISBN/ISSN translation



Off ISBN/ISSN translation



10 Digit ISBN



13 Digit ISBN



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---



Enable 2-digit add-on code



Disable 2-digit add-on code



Enable 5-digit add-on code



Disable 5-digit add-on code



Equire add-on code



Exit setup



Enter setup

---



Do not require add-on code



Add delimiter before the add-on code



Do not delimiter



Exit setup



Enter setup

---

## UPC-E



\* Enable UPC-E



Disable UPC-E



Do Not Transmit Code 11 Check Character



\* Transmit code 11 check character



Enable UPC-E1



\* UPC-E1: Disable UPC-E1



Set No. 1 code ID



Exit setup



Enter setup

---



Set No.2 Code ID



Enable 2-Digit Add on code



Disable 2-Digit Add-On Code



Enable 5-Digit Add On Code



Disable 5-Digit Add-On Code



Equire Add-On Code



Do Not Require Add-On Code



Exit setup



Enter setup

---



Add Delimiter before the Add-on Code



Do not Delimiter



Add US country Code 0



Do Not add Country code



System Character



Do Not system Character



Convert UPC-E1 to UPC-A



Exit setup



Enter setup

---

## UPC-A



Do not convert UPC-A



\*Enable UPC-A



Disable UPC-A



Do not transmit check character after verification



Transmit check character after verification



Enable 2-Digit add-on code



Exit setup



Enter setup

---



Disable 2-digit add-on code



Enable 5-digit add-on code



Disable 5-digit add-on code



Equire add-on code



Do not require add-on code



Add delimiter before the add-on code



Do not delimiter



Exit setup





Enter setup

---



Set No.1 code ID



Set No. 2 code ID



Add US country code 0



Do Not add country code



System character



Do not system character



Exit setup



Enter setup

---

## Code 128



\* Enable code 128



Disable code 128



Set the Minimum Length



Set the maximum length



Set No.1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## GS1-128



\*Enable GS1-128



Disable GS1-128



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## AIM-128



\*Enable AIM-128



Disable AIM-128



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 1 code ID



Exit setup



Enter setup

---

## ISBT-128



\*Enable ISBT-128



Disable ISBT-128



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## Interleaved 2 of 5



\*Enable Interleaved 2 of 5



Disable interleaved 2 of 5



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



\*Disable



Exit setup



Enter setup

---



Do not transmit check character after verification



Transmit check character after verification



Exit setup



Enter setup

---

## China Post 2 of 5



Transmit check character after verification



\*Disable code 2 of 5 China Post



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 Code ID



\* Disable



Exit setup





Enter setup

---



Do not transmit check character after verification



Transmit check character after verification



Exit setup



Enter setup

---

## Matrix 2 of 5



Enable Matrix 2 of 5



Disable Matrix 2 of 5



Set the minimum length



Set the maximum length



Set No.1 code ID



Set No. 2 code ID



\* Disable



Exit setup



Enter setup

---



Do not transmit check character after verification



Transmit check character after verification



Exit setup



Enter setup

---

## Industrial 2 of 5



Enable code 2 of 5 industrial



Disable code 2 of 5 industrial



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



\* Disable



Exit setup



Enter setup

---



Do not transmit check character after verification



Transmit check character after verification



Exit setup



Enter setup

---

## IATA 2 of 5



Enable code 2 of 5 IATA



\*Disable code 2 of 5 IATA



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



\* Disable



Exit setup



Enter setup

---



Do not transmit check character after verification



Transmit check character after verification



Exit setup



Enter setup

---

## ITF-14



Enable ITF-14



\* Disable ITF-14



Do Not Transmit Check Character After Verification



Transmit check character after verification



Set No.1 code ID



Set No. 2 code ID



Exit setup





Enter setup

---

## DP-12



Enable DP-12



\* Disable DP-12



Do not transmit check character after verification



Transmit check character after verification



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## DP-14



Enable DP-14



\* Disable DP-14



Do not transmit check character after verification



Transmit check character after verification



Set No.1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## MSI



Enable MSI



\* Disable MSI



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

### Check Character Verification



\*One check character, no output



One check character input



Two check characters, MOD10/MOD10 no output



Two check characters, MOD10/MOD10 input



Two check characters, MOD10/MOD11 no output



Two check characters, MOD10/MOD11 input



Disable



Exit setup



Enter setup

---

## Code 11



Enable code 11



\* Disable code 11



Do not transmit check character after verification



Transmit check character after verification



Set the minimum length



Set the maximum length



Set No.1 Code ID



Exit setup



Enter setup

---



Set No. 2 code ID

## Code 39



\*Enable code 39



Disable code 39



Transmit start / stop character



Do not Transmit start / stop character



Enable code 39 full ASCII



Exit setup



Enter setup

---



Disable code 39 full ASCII



Set the minimum length



Set the maximum length



\* Disable



Do not transmit check character after verification



Transmit check character after verification



Set No. 1 code ID

---



Exit setup



Enter setup

---



Set No. 2 code ID

## Code 32



Enable code 32



\* Disable code 32



\*Enable code 32 Prefix "A"



Disable code 32 Prefix "A"



Exit setup





Enter setup

---

## Code 93



\* Enable code 93



Disable code 93



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## Codabar



\*Enable Codabar



Disable Codabar



Set the minimum length



Set the maximum length



Transmit start / stop character



Do Not Transmit start / stop character



Exit setup



Enter setup

---



Set No.1 code ID



Set No. 2 code ID

### Check character verification



\* Disable



Do not transmit check character after verification



Transmit check character after verification



Exit setup



Enter setup

---

### Start/Stop Character



\* ABCD/ABCD



ABCD/TN\*E



abcd/abcd



abcd/tn\*e



Exit setup



Enter setup

---

## Plessey



Enable Plessey



\* Disable Plessey



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 1 code ID



\* Disable



Exit setup



Enter setup

---



Do not transmit check character after verification



Transmit check character after verificatio

## RSS-14



\* Enable RSS-14



Disable RSS-14



\* Transmit application identifier "01"



Do not transmit application identifier

---



Exit setup



Enter setup



Set No.1 code ID



Set No. 2 code ID

## RSS-Limited



\*Enable RSS-limited



Disable RSS-limited



\* Transmit application identifier "01"



Do not transmit application identifier



Exit setup



Enter setup

---



Set No. 1 code ID



Set No. 2 code ID

## PDF-417



\* Enable PDF417



Disable PDF417



Set the minimum length



Set the maximum length



Exit setup





Enter setup

---



Set No.1 code ID



Set No. 2 code ID



\*Allowable structural connection



Do not allowable structural connection



Exit setup



Enter setup

---

## QR Code



\* Enable QR code



Disable QR code



Set the minimum length



Set the maximum length



\*Allowable structural connection



Do not allowable structural connection



\*Read mirror symbol



Exit setup



Enter setup

---



Do not read mirror symbol



Set No.1 code ID



Set No.2 code ID



Enable OR code



\*Disable QR code



Exit setup



Enter setup

---

## Data Matrix



Enable Data Matrix



Disable Data Matrix



Set the Minimum Length



Set the Maximum Length



Enable Rectangular Barcode



Disable Rectangular Barcode



Enable Inverse code



Exit setup



Enter setup

---



Disable inverse code



\*Read mirror symbol



Do not read mirror symbol



\*Allowable structural connection



Do not allowable structural connection



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## Aztec Code



\*Enable Aztec



Disable

Aztec



Set the Minimum Length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## Maxicode



Enable maxicode



\*Disable maxicode



Set the minimum length



Set the maximum length



Set No. 1 code ID



Set No. 2 code ID



Exit setup



Enter setup

---

## MISC



Ignore structural connection



Sequential output



Connected output



No Output Setting Code



Output Setting Code



Exit setup





Enter setup

## Appendix 1 Digit Barcodes



0



1



2



3



4



5



6



7



8



9



save



cancel



reset



Exit setup



Enter setup

## Appendix 2 ASCII Table

Scanning value	Keyboard value	Scanning value	Keyboard value	Scanning value	Keyboard value
1000	Null	1043	+	1086	V
1001	Keypad	1044	,	1087	W
1002	Caps lock	1045	-	1088	X
1003	Right Arrow	1046	.	1089	Y
1004	Up Arrow	1047	/	1090	Z
1005	Null	1048	0	1091	[
1006	Null	1049	1	1092	\
1007	Enter	1050	2	1093	]
1008	Left Arrow	1051	3	1094	^
1009	Horizontal Tab	1052	4	1095	_
1010	Down Arrow	1053	5	1096	'
1011	Vertical Tab	1054	6	1097	a
1012	Backspace	1055	7	1098	b
1013	Enter	1056	8	1099	c
1014	Insert	1057	9	1100	d
1015	Esc	1058	:	1101	e
1016	F11	1059	;	1102	f
1017	Home	1060	<	1103	g
1018	Print Screen	1061	=	1104	h
1019	Delete	1062	>	1105	i
1020	tab+shift	1063	?	1106	j
1021	F12	1064	@	1107	k
1022	F1	1065	A	1108	l
1023	F2	1066	B	1109	m
1024	F3	1067	C	1110	n
1025	F4	1068	D	1111	o
1026	F5	1069	E	1112	p
1027	F6	1070	F	1113	q
1028	F7	1071	G	1114	r
1029	F8	1072	H	1115	s
1030	F9	1073	I	1116	t
1031	F10	1074	J	1117	u
1032	Space	1075	K	1118	v
1033	!	1076	L	1119	w
1034	"	1077	M	1120	x
1035	#	1078	N	1121	y
1036	\$	1079	O	1122	z
1037	%	1080	P	1123	{
1038	&	1081	Q	1124	
1039	'	1082	R	1125	}
1040	(	1083	S	1126	~
1041	)	1084	T		
1042	*	1085	U		



Exit setup



Enter setup

## Appendix 3 Factory Defaults Table

Code type	Code ID	Decimal value	Hexadecimal value
Code 128	j	106	6A
GS1-128	l	73	49
Code 39	b	98	62
EAN-8	D	68	44
EAN-13	d	100	64
UPC-E	E	69	45
UPC-A	c	99	63
Interleaved 2 of 5	e	101	65
ITF-14	e	101	65
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Exit setup