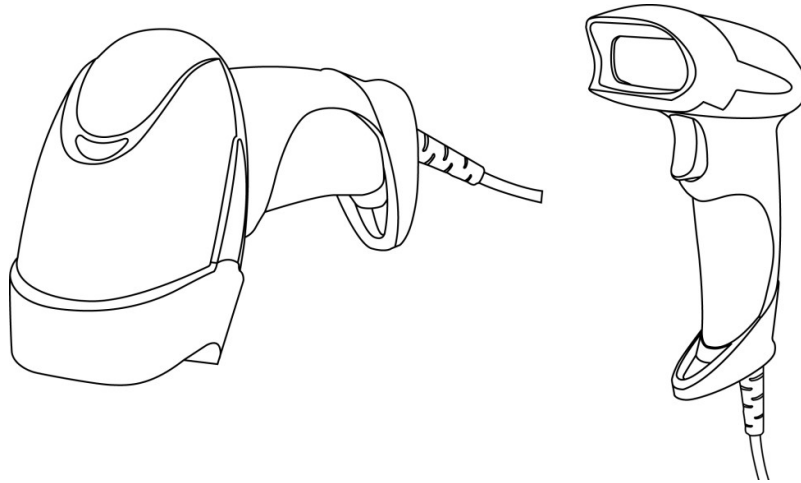


Quick Setup Guide

This is 1D&2D plug and play model if you use a US keyboard. If you use other type of keyboard, plug the USB cable on your device , setup keyboard language before you use it. (refer to below Keyboard Language Type) after that the scanner can start to work.



If you want to do other configurations please refer to below programming barcodes.

Barcode Programming

Netum barcode scanners are factory programmed for the most common terminal and communications settings. If you need to change these settings, programming is accomplished by scanning the bar codes in this guide. An asterisk (*) next to an option indicates the default setting.

Keyboard Language Type

Keyboard layouts vary from country to country. The default setting is U.S. keyboard. In order to let scanner upload the codes in a correct way, you have to set the keyboard language.

For example If you use French Keyboard, scan below barcode of “French keyboard”. Then the scanner will upload barcodes according to French keyboard layout. American Keyboard is set by default, if you use a US keyboard you can ignore this part.



E9D042
France



E9D043
Germany



E9D044

Italy



E9D045

Spain



E9D047

United States



E9D046

Portugal



E9D0412

Turkey



E9D0414

Hungary

Interface (Optional)

USB Interface

USB HID-KBW

When you connect the scanner to the Host via a USB connection, you can enable the USB HID-KBW feature by scanning the barcode below. It works on a Plug and Play basis and no driver is required.



P66A667

USB HID KBW

USB Serial Port

If you connect scanner to the Host via a USB connection, the **USB COM Port Emulation** feature allows the Host to receive data in the way as a serial port does.



P66A668

USB Serial Port

Driver is required to be installed on MAC system when use USB COM Port.

Please download the driver from below link

RS232 Interface



P66A666

RS232

Restore factory default

Scanning the following barcode can restore the scanner to the factory defaults.



P666666

Enter Setup/Exit Setup



P666667

Restore Factory

Follow below steps to restore factory default configuration.

Scan 'Enter Setup' → Restore Factory → Exit Setup

Terminator

The scanner provides a shortcut for setting the terminating character suffix to CR or CRLF and enabling it by scanning the appropriate barcode below.



E99311

Add Enter



E99310

Cancel Enter



E99211



E99210

Add LF



P66A66E

Add CR+LF

Cancel LF



P66A66F

Cancel CR+LF

Beep Notification

Beep Volume can be configured by scanning the appropriate barcode below.



E7A536

1.6KHz



E7A534

2.4KHz



E7A532

3.5KHz



E7A530

Mute

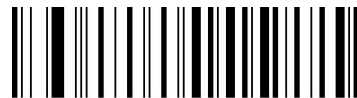
Aiming

When scanning/capturing image, the engine projects an aiming pattern which allows positioning the target barcode within its field of view and thus makes decoding easier.



AFF111

Aiming ON



AFF110

Aiming OFF

Aiming ON : The scanner projects an aiming pattern only during barcode scanning/capture.

Aiming OFF: Aiming pattern is OFF all the time.

1D Symbolologies

UPC/EAN



***Enable**



Disable

Codabar



***Enable**



Disable



No Check Digit*



Check Digit



Check Digit and Transmit



Transmit Start Character



Do not Transmit start Character*

Code 39



FFE111

***Enable**



FFE110

Disable



C6F020

***No Check Digit**



C6F022

Check Digit



C6F021

Check digit and transmit



C6F211

Transmit Start Character



C6F210

Do not Transmit start Character

Code 32



FFD511

***Enable**



FFD510

Disable

Full ASCII Code39



FFD711

Enable



FFD710

***Disable**

Interleaved 2 of 5



FFE511

***Enable**



FFE510

Disable



C76020

***No Check Digit**



C76021

Check Digit



C76022

Check digit and transmit

Code 93



FFE211

Enable



FFE210

*** Disable**

Straight 2 of 5 Industrial



FFE011

Enable



FFE010

*** Disable**

Matrix 2 of 5



FFF511

Enable



FFF510

*** Disable**

Code 11



FFF311

Enable



FFF310

*** Disable**

Code 128



FFE311

***Enable**



FFE310

Disable

Telepen



FFF711

***Enable**



FFF710

Disable

UPC-A



FFD611

***Enable**



FFD610

Disable

EAN-13



FFD111

***Enable**



FFD110

Disable

EAN-8



FFD411

***Enable**



FFD410

Disable

MSI



FFD211

***Enable**



FFD210

Disable



FFB311

***Enable**



FFB310

Disable

GS1 DataBar Limited



FFB411

Enable



FFB410

*** Disable**

GS1 DataBar Expanded



FFB511

Enable



FFB510

*** Disable**

Inverse Color Code Scan

By scanning “inverse color code scan on” allows the scanner to read barcodes that are inverted.

The examples of regular barcode and inverse barcode are shown below.



Regular 1D barcode: Dark image on a bright background.

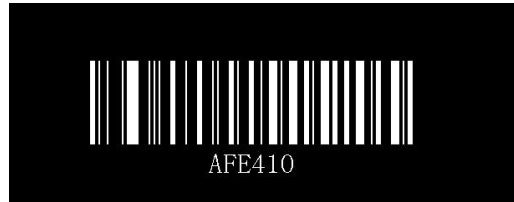


Inverse 1D barcode: Bright image on a dark background.



AFE411

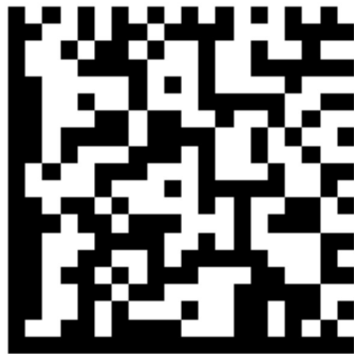
Inverse Color Code Scan ON



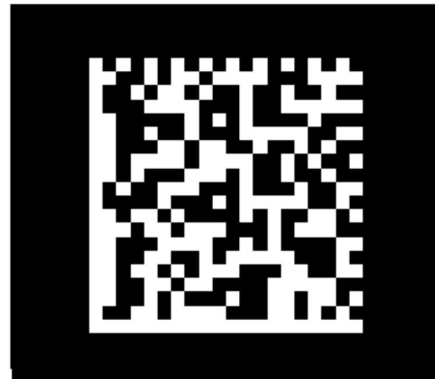
AFE410

Inverse Color Code Scan OFF (Normal image)

Important Note: Above programming barcodes only applies for 1D barcode. If you want to enable the scanner to read inverse 2D codes, first find the type of 2D barcodes from below 2D Symbologies then read the relevant programming code to enable it.



Regular 2D barcode



Inverse 2D Barcode

Please refer to the specific type of 2D barcode to enable the scanner reading Inverse 2D barcodes

2D Symbologies

PDF417



FFF011

***Enable**



FFF010

Disable

MicroPDF417



FFB711

Enable



FFB710

*** Disable**

QR Code



FF9221

***Enable**



FF9220

Disable



FF9311

Enable Invert QR Scan



FF9310

***Disable Invert QR Scan**

Micro QR Code



FF9511

Enable



FF9510

*** Disable**



FF9611

Enable Invert Micro QR Scan



FF9610

***Disable Invert Micro QR Scan**

Data Matrix Code



FFA222

Enable



FFA220

*** Disable**



FFA211

Enable Invert Data Matrix Scan



FFA210

***Disable Invert Data Matrix Scan**

Aztec Code



FF9011

Enable



FF9010

*** Disable**



FF9111

Enable Invert Aztec Scan



FF9110

***Disable Invert Aztec Scan**

Han Xin Code



D8C111

Enable



D8C110

*** Disable**

MaxiCode



FF9411

Enable



FF9410

*** Disable**

GS1 Composite codes



BFF011

Enable



BFF010

*** Disable**

Program the Custom Prefix & Suffix

Custom one prefix

Example 1

Custom a prefix of “@”.

Check the value of “@” in the ASCII Table . (174)

- 1.Scan “Enter Setup” barcode to make the device into programming mode.
2. Scan “Set First Prefix”.
3. Scan the numeric barcodes“1”, “7”, “4”.
- 4.Scan “Exit Setup” barcode to make the device exit programming mode.

Custom one suffix

Example 2

Custom a suffix of “\$”

Check the value of “\$” in the ASCII Table . (036)

- 1.Scan “Enter Setup” barcode to make the device into programming mode.
2. Scan “Set First Suffix”.
3. Scan the numeric barcodes“1”, “3”, “6”.
- 4.Scan “Exit Setup” barcode to make the device exit programming mode.

Custom several prefixes

Example 3

Custom prefix of "\$" and "@"

Check the value of "@" in the ASCII Table . (174)

1. Scan "Enter Setup" barcode to make the device into programming mode.
2. Scan "Set First Prefix".
3. Scan the numeric barcodes "1", "7", "4".
4. Scan "Set Second Prefix".
5. Scan the numeric barcodes "1", "3", "6".
6. Scan "Exit Setup" barcode to make the device exit programming mode.

Custom several suffixs

Example 4

Custom suffix of "\$" and "@"

Check the value of "@" in the ASCII Table . (174)

1. Scan "Enter Setup" barcode to make the device into programming mode.
2. Scan "Set First Suffix".
3. Scan the numeric barcodes "1", "7", "4".
4. Scan "Set Second Suffix".
5. Scan the numeric barcodes "1", "3", "6".
6. Scan "Exit Setup" barcode to make the device exit programming mode.



P666666

“Enter Setup”



P666666

“Exit Setup”



P6FCAFF

Set First Prefix



P6FC9FF

Set Second Prefix



P6FC8FF

Set Third Prefix



P6FC7FF

Set Fourth Prefix



P66667A

Clear All Prefix



P6FBAFF

Set First Suffix



P6FB9FF

Set Second Suffix



P6FB8FF

Set Third Prefix



P6FB7FF

Set Forth Prefix



P66667B

Clear All Suffix

Byte Code Value



0



1



2



3



4



5



6



7



8



9

Appendix 1: Barcode type table

Barcode byte value	Barcode types
002	UPC-E
003	EAN-8
004	UPC-A
005	EAN-13
080	CODE 39
081	CODABAR
082	INTERLEAVED 2 OF 5
083	CODE 128
084	CODE 93
091	MSI
092	CODE 11
093	AIRLINE 2 OF 5
094	MATRIX 2 OF 5
095	TELEPEN
096	UK PLESSEY
097	AIRLINE(13 DIGITS)
098	STANDARD 2 OF 5
099	TRIOPTIC
101	RSS14
102	RSS LIMIT
103	RSS EXT
104	PDF417
105	MICRO PDF417
106	DATA MATRIX
107	AZTEC
108	QR
109	MAXICODE

Appendix 2: ASCII TABLE

Value	Char.	Value	Char.	Vaule	Char.	Value	Char.
000	NUL	032	SP	064	@	096	'
001	SOH	033	!	065	A	097	a
002	STX	034	"	066	B	098	b
003	ETX	035	#	067	C	099	c
004	EOT	036	\$	068	D	100	d
005	ENQ	037	%	069	E	101	e
006	ACK	038	&	070	F	102	f
007	BEL	039	`	071	G	103	g
008	BS	040	(	072	H	104	h
009	HT	041	)	073	I	105	i
010	LF	042	*	074	J	106	j
011	VT	043	+	075	K	107	k
012	FF	044	,	076	L	108	l
013	CR	045	—	077	M	109	m
014	SOH	046	.	078	N	110	n
015	SI	047	/	079	O	111	o
016	DLE	048	0	080	P	112	p
017	DC1	049	1	081	Q	113	q
018	DC2	050	2	082	R	114	r
019	DC3	051	3	083	S	115	s
020	DC4	052	4	084	T	116	t
021	NAK	053	5	085	U	117	u
022	SYN	054	6	086	V	118	v

023	ETB	055	7	087	W	119	w
024	CAN	056	8	088	X	120	x
025	EM	057	9	089	Y	121	y
026	SUB	058	:	090	Z	122	z
027	ESC	059	;	091	[	123	{
028	FS	060	<	092	\	124	|
029	GS	061	=	093	]	125	}
030	RS	062	>	094	^	126	~
031	US	063	?	095	-	127	DEL