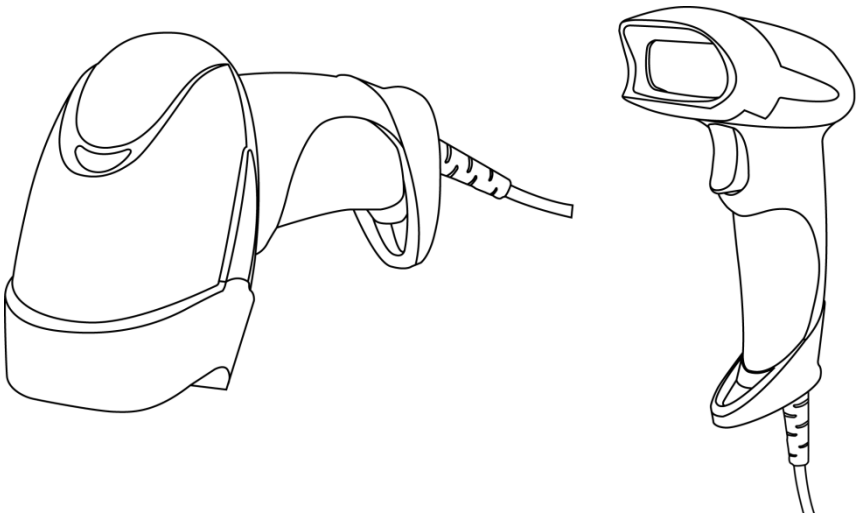
Quick Setup Guide

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

Italy

Spain

United States

Portugal

Turkey

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.

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.

USB Serial Port

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

Please download the driver from below link

http://www.gzxlscan.com/downloads/ Upgrad Pack for NT-M5 and NT-1228 used on MAC

RS232 Interface

RS232

Restore factory default

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

Enter Setup/Exit Setup

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.

Add Enter

Cancel Enter

Add LF

Cancel LF

Add CR+LF

Cancel CR+LF

Beep Notification

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

1.6KHz

2.4KHz

3.5KHz

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.

Aiming ON

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 Symbologies

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

***Enable**

Disable

***No Check Digit**

Check Digit

Check digit and transmit

Transmit Start Character

Do not Transmit start Character

Code 32

***Enable**

Disable

Full ASII Code39

Enable

***Disable**

Interleaved 2 of 5

***Enable**

Disable

***No Check Digit**

Check Digit

Check digit and transmit

Code 93

Enable

***Disable**

Straight 2 of 5 Industrial

Enable

*** Disable**

Matrix 2 of 5

Enable

*** Disable**

Code 11

Enable

*** Disable**

Code 128

***Enable**

Disable

Telepen

***Enable**

Disable

UPC-A

***Enable**

Disable

EAN-13

***Enable**

Disable

EAN-8

***Enable**

Disable

MSI

***Enable**

Disable

GS1 DataBar Omnidirectional

***Enable**

Disable

GS1 DataBar Limited

Enable

*** Disable**

GS1 DataBar Expanded

Enable

*** Disable**

Inverse Color Code Scan

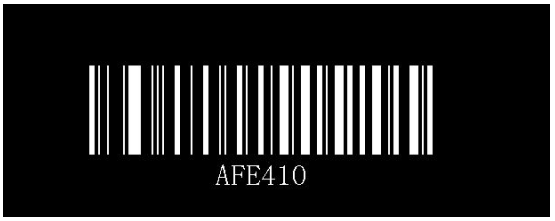
By scanning “inverse color code scan on” allows the scanner to read barcodes that are inverted.

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.

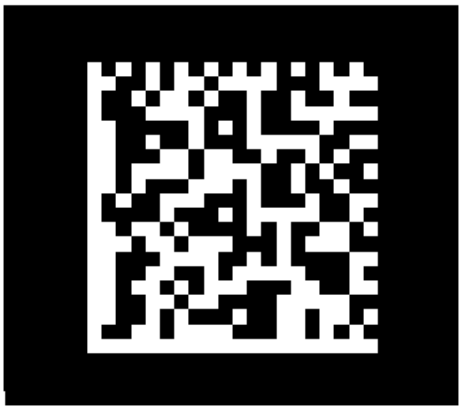
Inverse Color Code Scan ON



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

***Enable**

Disable

MicroPDF417

Enable

*** Disable**

QR Code

***Enable**

Disable

Enable Invert QR Scan

***Disable Invert QR Scan**

Micro QR Code

Enable

*** Disable**

Enable Invert Micro QR Scan

***Disable Invert Micro QR Scan**

Data Matrix Code

Enable

*** Disable**

Enable Invert Data Matrix Scan

***Disable Invert Data Matrix Scan**

Aztec Code

Enable

*** Disable**

Enable Invert Aztec Scan

***Disable Invert Aztec Scan**

Han Xin Code

Enable

*** Disable**

MaxiCode

Enable

*** Disable**

GS1 Composite codes

Enable

*** 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 prefixs

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.

“Enter Setup”

“Exit Setup”

Set First Prefix

Set Second Prefix

Set Third Prefix

Set Fourth Prefix

Clear All Prefix

Set First Suffix

Set Second Suffix

Set Third Prefix

Set Forth Prefix

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