

WWS800/850 Bluetooth Wireless Scanners

User's Manual



© 2008 Wasp Technologies

Table of Contents

Revision History	Error! Bookmark not defined.
Restore Default Settings	1
Exit Setup without Changes	1
Set Connection.....	1
RF Auto Shutdown Duration	1
Transmit Buffer Setting	1
Memory Mode Parameters.....	2
List Setting	3
Buzzer Settings	3
Reading Redundancy Setting	4
Scan Mode Setting.....	4
Auto-Sense Setting	4
Scanner Time-out Duration.....	5
Negative Barcode Setting.....	5
Delay between Reread	5
Keyboard Wedge Parameters	6
RS-232 Parameters.....	9
Bluetooth Serial Port Parameters.....	11
Bluetooth HID Parameters.....	12
Prefix / Postfix Settings	15
Character Substitution	15
Code ID Selection	15
Code ID Setting	16
Length Code Setting (2 digits).....	17
Select Readable Codes	20
Code39 Parameters	25
Italy Pharmacode Parameters.....	25
French Pharmacode Parameters.....	26
Industrial 25 Parameters	26
Interleave 25 Parameters.....	27
Matrix 25 Parameters	29
Codabar Parameters.....	30
Plessey Parameters.....	31
Telepen Parameters.....	31
MSI Parameters	32
EAN128 Parameters.....	33
EAN8 Parameters.....	34
UPCA Parameters.....	34
UPCE Parameters.....	35
EAN13 Parameters.....	36
RSS Code ID Selection.....	37

RSS14 Parameters.....37
RSS Limited Parameters38
RSS Expanded Parameters38
Activate Editing Formats39
Editing Format Parameters.....40
Decimal Digits.....52
Hexadecimal Digits.....53
Key Type.....54
Key Status.....54
KBD Wedge Character Table.....55
RS-232 Character Table.....55

Restore Default Settings



Exit Setup without Changes



Set Connection



Programming Instructions: (1) Read the label. (2) Read the Serial Number barcode on the bottom of the desired 3666 Base Station within 5 seconds to complete this setting.

RF Auto Shutdown Duration



Programming Instructions: (1) Read the label. (2) Program the desired auto shutdown duration (in minutes) by reading Decimal Digits on page 53. (3) Read the "Validate" label (also on page 53) to complete this setting.

Transmit Buffer Setting



Enable



< Disable >



Update

1

Memory Mode Parameters

• Memory Mode



Enable



< Disable >

• Clear Data



Clear



Confirm

• Send Data



• Memory Data Delay



< 0 >



2 sec



250 ms



3 sec



500 ms



5 sec



1 sec



8 sec

2



Enter Setup

List Setting



Page 1



Page 2



Page 3



Page 4



Page 5



Page 6



Page 7



Page 8



Page 9



Page 10

Buzzer Settings



< Buzzer Enable >



Buzzer Disable

• Buzzer Frequency



8 kHz



2 kHz



< 4 kHz >



1 kHz



Update

3

Reading Redundancy Setting



< No Redundancy >



3 Times



2 Times



4 Times

Scan Mode Setting



< Auto Off Mode >



Auto Power Off Mode



Momentary Mode



Laser Mode



Continuous Mode



Alternate Mode



Repeat Mode



Test Mode

Auto-Sense Setting



Enable



<Disable>



Enter Setup

4

Scanner Time-out Duration



*

Programming Instructions: (1) Read the label. (2) Program the desired time-out duration by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Negative Barcode Setting



Enable



< Disable >

Delay between Reread



100 ms



200ms



< 400 ms >



800 ms



1 sec



2 sec



3 sec



5 sec

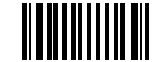


Update

5

Keyboard Wedge Parameters

• Activate and Select Keyboard Type



*

Programming Instructions: (1) Read the label. (2) Program the desired keyboard number (shown in the following table) by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Keyboard Table

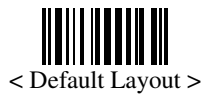
No.	Keyboard Type
1	PCAT (US)
2	PCAT (French)
3	PCAT (German)
4	PCAT (Italy)
5	PCAT (Swedish)
6	PCAT (Norwegian)
7	PCAT (UK)
8	PCAT (Belgium)
9	PCAT (Spanish)
10	PCAT (Portuguese)
11	PS55 A01-1
12	PS55 A01-2
13	PS55 A01-3
14	PS55 001-1
15	PS55 001-81
16	PS55 001-2
17	PS55 001-82
18	PS55 001-3
19	PS55 001-8A
20	PS55 002-1, 003-1
21	PS55 002-81, 003-81
22	PS55 002-2, 003-2
23	PS55 002-82, 003-82
24	PS55 002-3, 003-3
25	PS55 002-8A, 003-8A
26	IBM 3477 (Japanese)
27	PS2-30
28	IBM 34XX/319X, Memorex Telex 122 Keys



Enter Setup

6

• Keyboard Alphabets Layout



< Default Layout >

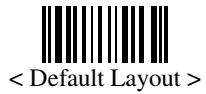


QWERTZ



AZERTY

• Keyboard Digits Layout



< Default Layout >



Upper Row



Lower Row

• Keyboard Capital Lock Type



< Default >



Capital Lock



Shift Lock

• Capital Lock Setting



Capital Lock ON



Auto Detection



< Capital Lock OFF >



Update

7

• Alphabet Transmission



< Case Sensitive >



Ignore Case

• Digits Transmission



< Alphanumeric Key >



Numeric Key

• Alt Composing



Yes



< No >

• Inter-Character Delay



*

Programming Instructions: (1) Read the label. (2) Program the desired inter-character delay by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Laptop Support



<Disable>



Enable



Enter Setup

8

RS-232 Parameters

• Activate RS232 Interface



• Baud Rate



Parity



• Data Bit



9

• Flow Control (single port only)



• Inter-Character Delay



Programming Instructions: (1) Read the label. (2) Program the desired inter-character delay by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

10



Bluetooth Serial Port Parameters

- Activate Bluetooth Serial Port Interface



- Device Name Broadcasting



< Yes >



No

- Authentication



Yes



< No >

- PIN Code



*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting. (4) Max 6 characters for this PIN Code setting.

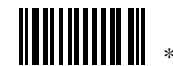


Update

11

Bluetooth HID Parameters

- Activate and Select Keyboard Type



*

Programming Instructions: (1) Read the label. (2) Program the desired keyboard number (shown in the following table) by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

- HID Keyboard Table

No.	Keyboard Type
64	PCAT (US)
65	PCAT (French)
66	PCAT (German)
67	PCAT (Italy)
68	PCAT (Swedish)
69	PCAT (Norwegian)
70	PCAT (UK)
71	PCAT (Belgium)
72	PCAT (Spanish)
73	PCAT (Portuguese)

- Reset Connection



Please read this label when switching connection from one PC to another and the reconnection is needed.

- Device Name Broadcasting



< Yes >



No



Enter Setup

12

• Authentication



Yes



< No >

• PIN Code



*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting. (4) Max 6 characters for this PIN Code setting.

• Keyboard Alphabets Layout



< Default Layout >



QWERTZ



AZERTY

• Keyboard Digits Layout



< Default Layout >



Upper Row



Lower Row

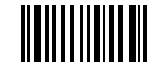
• Keyboard Capital Lock Type



< Default >



Capital Lock

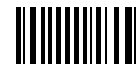


Shift Lock

• Capital Lock Setting



Capital Lock ON



Auto Detection



< Capital Lock OFF >

• Alphabet Transmission



< Case Sensitive >



Ignore Case

• Digits Transmission



< Alphanumeric Key >



Numeric Key

• Alt Composing



Yes



<No>



Update



Enter Setup

Prefix / Postfix Settings



Prefix Code *



Postfix Code *

Character Substitution



Set 1 *



Set 3 *



Set 2 *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

Code ID Selection

- Clear All Code ID Settings



- Select Code ID Set



Set 1



Set 3



Set 5



Set 2



Set 4



Update

15

Code ID Setting



Code 39 *



French Pharmacode *



Interleave 25 *



Codabar *



UPCE *



EAN13 *



Code 128 *



Plessey *



Italy Pharmacode *



Industrial 25 *



Matrix 25 *



UPCA *



EAN8 *



Code 93 *



MSI *



Telepen *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



Enter Setup

16

Length Code Setting (2 digits)

• Code 39 Length Code



Enable



< Disable >

• Italy Pharmacode Length Code



Enable



< Disable >

• French Pharmacode Length Code



Enable



< Disable >

• Industrial 25 Length Code



Enable



< Disable >

• Interleave 25 Length Code



Enable



< Disable >

• Matrix 25 Length Code



Enable



< Disable >

• Codabar Length Code



Enable



< Disable >

• UPCA Length Code



Enable



< Disable >

• UPCE Length Code



Enable



< Disable >

• EAN8 Length Code



Enable



< Disable >

• EAN13 Length Code



Enable



< Disable >



Update

17

18



Enter Setup

• Code 93 Length Code



Enable



< Disable >

• Code 128 Length Code



Enable



< Disable >

• EAN128/RSS Length Code



Enable



< Disable >

• MSI Length Code



Enable



< Disable >

• Plessey Length Code



Enable



< Disable >

• Telepen Length Code



Enable



< Disable >



Update

Select Readable Codes

• Code 39



< Enable >



Disable

• Italy Pharmacode



Enable



< Disable >

• French Pharmacode



Enable



< Disable >

• Industrial 25



< Enable >



Disable

• Interleave 25



< Enable >



Disable

• Matrix 25



Enable



< Disable >



Enter Setup

• Codabar



< Enable >



Disable

• Code 93



< Enable >



Disable

• Code 128



< Enable >



Disable

• EAN128



Enable



< Disable >

• MSI



Enable



< Disable >

• Plessey



Enable



< Disable >



Update

21

• Telepen



Enable



< Disable >

• UPCA



< Enable No Addon >



Disable No Addon



Enable Addon2



< Disable Addon2 >



Enable Addon5



< Disable Addon5 >

• UPCE



< Enable No Addon >



Disable No Addon



Enable Addon2



Enter Setup

22



Enable Addon5

< Disable Addon2 >



< Disable Addon5 >

• EAN8



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >

• RSS14



Enable



< Disable >

• RSS Limited



Enable



< Disable >

• RSS Expanded



Enable



< Disable >

• EAN13



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >



Update



Enter Setup

Code39 Parameters

- Standard / Full ASCII Code39



- Start / Stop Transmission



- Checksum Verification



- Checksum Transmission



Italy Pharmacode Parameters

- Checksum Transmission



25

French Pharmacode Parameters

- Checksum Transmission

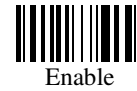


Industrial 25 Parameters

- Start / Stop Selection



- Checksum Verification



- Checksum Transmission



26



• Max / Min Code Length Qualification



Select Max / Min Length Qualification

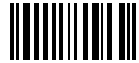


Max Length *



Min Length *

• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Interleave 25 Parameters

• Start / Stop Selection



Industrial 25



Matrix 25



< Interleave 25 >



Update

27

• Checksum Verification



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable

• Max / Min Code Length Qualification



Select Max / Min Length Qualification



Max Length *



Min Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.



Enter Setup

28

• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Matrix 25 Parameters

• Start / Stop Selection



Industrial 25



Interleave 25



< Matrix 25 >

• Checksum Verification



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable



Update

• Max / Min Code Length Qualification



Select Max / Min Length Qualification



Max Length *



Min Length *

• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Codabar Parameters

• CLSI Conversion



Enable



< Disable >

• Start / Stop Transmission



Enable

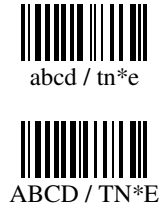


< Disable >



Enter Setup

Start / Stop Selection



Plessey Parameters

• Convert to UK Plessey



• Checksum Transmission



Telepen Parameters

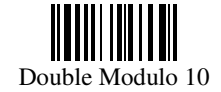
• Telepen Output



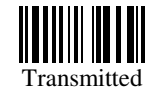
31

MSI Parameters

• Checksum Verification



• Checksum Transmission



• Max / Min Code Length Qualification



Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.



32

• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

EAN128 Parameters

• Code ID Transmission



Enable



<disable>

• Field Separator



*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

EAN8 Parameters

• Convert to EAN13



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable

UPCA Parameters

• Convert to EAN13



< Enable >



Disable

• System Number Transmission



< Enable >



Disable

• Checksum Transmission



< Enable >



Disable



Update



Enter Setup

UPCE Parameters

• System Number Selection



System Number 0 and 1



< System Number 0 only >

• Convert to UPCA



Enable



< Disable >

• System Number Transmission



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable



Update

35

EAN13 Parameters

• ISBN Conversion



Enable



< Disable >

• ISSN Conversion



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable



Enter Setup

36

RSS Code ID Selection



jC1



< jε0 >

RSS14 Parameters

• Code ID Transmission



< Enable >



Disable

• Application ID Transmission



< Enable >



Disable

• Checksum Transmission



< Enable >



Disable



Update

37

RSS Limited Parameters

• Code ID Transmission

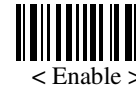


< Enable >



Disable

• Application ID Transmission



< Enable >



Disable

• Checksum Transmission



< Enable >



Disable

RSS Expanded Parameters

• Code ID Transmission



< Enable >



Disable

38



Enter Setup

Activate Editing Formats

• Format 1



Enable



< Disable >

• Format 2



Enable



< Disable >

• Format 3



Enable



< Disable >

• Exclusive Data Editing



Yes



< No >

• Apply Editing Format to Telepen



< Yes >



No



Update

Editing Format Parameters

• Format Selection



Format 1



Format 2



Format 3

• Restore Default Format



End of Format Programming

• Applicable Data Length



Maximum Length *



Minimum Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Matching String of Applicable Data



Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

• Location of Matching String



Programming Instructions: (1) Read the label. (2) Program the desired location by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Total Number of Fields



1



2



3



4



5



6





















Update



End of Format Programming









• Applicable Code Type

	
All	Clear
	
Code 39	Italy Pharmacode
	
French Pharmacode	Industrial 25
	
Interleave 25	Matrix 25
	
Codebar	Code 93
	
Code 128	EAN128/RSS
	
UPCE No Addon	UPCE Addon2
	
UPCE Addon5	EAN8 No Addon
	
EAN8 Addon2	EAN8 Addon5



Update

•

		EAN13
No Addon	EAN13 Addon2	
		UPCA No Addon
EAN13 Addon5		UPCA Addon5
		MSI
UPCA Addon2		Plessey



End of Format Programming

• Field1 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.



Update

• Field2 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.



End of Format Programming

• Field3 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Field4 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.



Update



End of Format Programming

• Field5 Setting

Divide Field by
Field Terminating String



Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



Divide Field by Field Length



Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Additional Fields Setting



Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.



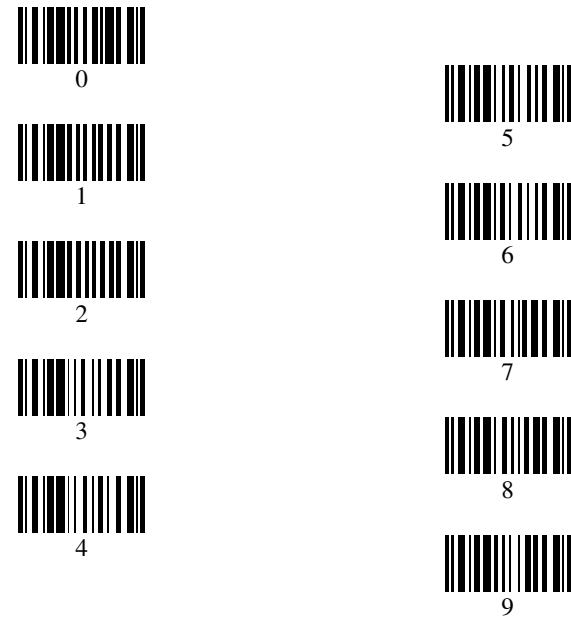
• Field Transmission Sequence



Programming Instructions: (1) Read the “Start” label. (2) Program the desired transmission sequence by reading the Field / Additional Field labels. (3) Read the “End” label to complete this setting.



Decimal Digits



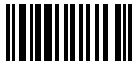
• Validate



Hexadecimal Digits



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F

- Validate



Update

53

Key Type



< Normal >



Scan Code

Key Status



Add Shift



Add Alternate (L)



Add Alternate (R)



Add Control (L)



Add Control (R)

54



Enter Setup

KBD Wedge Character Table

	0	1	2	3	4	5	6	7	8
0		F2	SP	0	@	P	`	p	⓪
1	Ins	F3	!	1	A	Q	a	q	①
2	Del	F4	"	2	B	R	b	r	②
3	Home	F5	#	3	C	S	c	s	③
4	End	F6	\$	4	D	T	d	t	④
5	Up	F7	%	5	E	U	e	u	⑤
6	Down	F8	&	6	F	V	f	v	⑥
7	Left	F9	'	7	G	W	g	w	⑦
8	BS	F10	(	8	H	X	h	x	⑧
9	HT	F11	)	9	I	Y	i	y	⑨
A	LF	F12	*	:	J	Z	j	z	
B	Right	ESC	+	;	K	[	k	{	
C	PgUp	Exec	,	<	L	\	l	|	
D	Enter		-	=	M	]	m	}	
E	PgDn		.	>	N	^	n	~	
F	F1		/	?	O	_	o	Dly	Enter*

Enter* : Enter Key of the Numeric Key Pad

⓪...⑨ : Digits of Numeric Key Pad

RS-232 Character Table

	0	1	2	3	4	5	6	7
0		DLE	SP	0	@	P	`	p
1	SOH	DC1	!	1	A	Q	a	q
2	STX	DC2	"	2	B	R	b	r
3	ETX	DC3	#	3	C	S	c	s
4	EOT	DC4	\$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	'	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL

