

ZBACK scanner setup

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Target

Target of this document is to include codes for programming the Zebra scanner expansion back (**ZBACK**) behavior. Examples are **SE4710** and **SE4750** connected to an **ET50** or **ET55** Windows tablet.

1.1. Parameter barcode scanning

Attributes can be modified by scanning parameter barcodes.

1.2. Prefix and suffix

It is possible to append a prefix and/or one or two suffixes in scanned code. This requires scanning of the data transmission format, and the prefix / suffix values. Data formatting works only while scanner is in HID keyboard mode.

1.2.1 Data transmission format


Parameter barcode	Function
	DATA AS IS (default)
	<DATA><SUFFIX 1>
	<DATA><SUFFIX 2>
	<DATA><SUFFIX 1><SUFFIX 2>

	<PREFIX><DATA>
	<PREFIX><DATA><SUFFIX 1>
	<PREFIX><DATA><SUFFIX 2>
	<PREFIX><DATA><SUFFIX 1><SUFFIX 2>


For example, to add suffix to scanned data: scan code [<DATA><SUFFIX 1>]. Then to alter suffix 1 to '#', scan barcode [SCAN SUFFIX 1] and numeric barcodes [1] [0] [3] [5].

1.2.2 Prefix / suffix values











When prefix/suffix value is set, scan bar code below and then four-digit number representing wanted prefix/suffix from **Character Sets**. Operation can be stopped by scanning cancel barcode.

Parameter barcode	Function	Default value
	SCAN SUFFIX 1	7013 (ENTER)
	SCAN SUFFIX 2	7013 (ENTER)
	SCAN PREFIX	7013 (ENTER)

1.2.3 Cancel selection

Parameter barcode	Function
	CANCEL

1.2.4 Numeric barcodes

Parameter barcode	
 0	 1
 2	 3
 4	 5
 6	 7
 8	 9

1.2.5 Character Sets

ASCII Value	Full ASCII Code 39 Encode Char	Keystroke
1000	%U	CTRL 2
1001	\$A	CTRL A
1002	\$B	CTRL B
1003	\$C	CTRL C
1004	\$D	CTRL D
1005	\$E	CTRL E
1006	\$F	CTRL F
1007	\$G	CTRL G
1008	\$H	CTRL H/ BACKSPACE ¹
1009	\$I	CTRL I/ HORIZONTAL TAB ¹
1010	\$J	CTRL J
1011	\$K	CTRL K
1012	\$L	CTRL L
1013	\$M	CTRL M/ ENTER ¹
1014	\$N	CTRL N
1015	\$O	CTRL O
1016	\$P	CTRL P
1017	\$Q	CTRL Q
1018	\$R	CTRL R
1019	\$S	CTRL S
1020	\$T	CTRL T
1021	\$U	CTRL U
1022	\$V	CTRL V

ASCII Value	Full ASCII Code 39 Encode Char	Keystroke
1023	\$W	CTRL W
1024	\$X	CTRL X
1025	\$Y	CTRL Y
1026	\$Z	CTRL Z
1027	%A	CTRL [
1028	%B	CTRL \
1029	%C	CTRL]
1030	%D	CTRL 6
1031	%E	CTRL -
1032	Space	Space
1033	/A	!
1034	/B	"
1035	/C	#
1036	/D	\$
1037	/E	%
1038	/F	&
1039	/G	'
1040	/H	(
1041	/I)
1042	/J	*
1043	/K	+
1044	/L	,
1045	-	-
1046	.	.
1047	/o	/
1048	0	0
1049	1	1

ASCII Value	Full ASCII Code 39 Encode Char	Keystroke
1050	2	2
1051	3	3
1052	4	4
1053	5	5
1054	6	6
1055	7	7
1056	8	8
1057	9	9
1058	/Z	:
1059	%F	:
1060	%G	<
1061	%H	=
1062	%I	>
1063	%J	?
1064	%V	@
1065	A	A
1066	B	B
1067	C	C
1068	D	D
1069	E	E
1070	F	F
1071	G	G
1072	H	H
1073	I	I
1074	J	J
1075	K	K
1076	L	L

ASCII Value	Full ASCII Code 39 Encode Char	Keystroke
1077	M	M
1078	N	N
1079	O	O
1080	P	P
1081	Q	Q
1082	R	R
1083	S	S
1084	T	T
1085	U	U
1086	V	V
1087	W	W
1088	X	X
1089	Y	Y
1090	Z	Z
1091	%K	[
1092	%L	\
1093	%M]
1094	%N	^
1095	%O	_
1096	%W	'
1097	+A	a
1098	+B	b
1099	+C	c
1100	+D	d
1101	+E	e
1102	+F	f

ASCII Value	Full ASCII Code 39 Encode Char	Keystroke
1103	+G	g
1104	+H	h
1105	+I	i
1106	+J	j
1107	+K	k
1108	+L	l
1109	+M	m
1110	+N	n
1111	+O	o
1112	+P	p
1113	+Q	q
1114	+R	r
1115	+S	s
1116	+T	t
1117	+U	u
1118	+V	v
1119	+W	w
1120	+X	x
1121	+Y	y
1122	+Z	z
1123	%P	{
1124	%Q	
1125	%R	}
1126	%S	~

The keystroke in bold transmits only if you enabled Function Key Mapping. Otherwise, the unbold keystroke transmits.

1.2.6 Character sets / Extended Keypad

Extended Keypad	Keystroke
7001	Break
7002	Delete
7003	Pg Up
7004	End
7005	Pg Dn
7006	Pause
7007	Scroll Lock
7008	Backspace
7009	Tab
7010	Print Screen
7011	Insert
7012	Home
7013	Enter
7014	Escape
7015	Up Arrow
7016	Dn Arrow
7017	Left Arrow
7018	Right Arrow