



BC-100U/300 Series Configuration Guide Rev. Original

CONFIGURATION

BC-100U/300 Series built in multi-programmable micro-controller-- Using the setup card to define all functions. Each function parameter is accessible and stored in permanent memory.

Setup Card Reserved Word

Setup Commands (1/2)	View-Table	Start	Set To Default	Exit
Reserved Codes Code 39	"-V. "	"-S. "	"000"	"-E. "

Setup Commands (2/2)	Preamble	Postamble	Clear	Close
Reserved Codes Code 39	"300"	"301"	"302"	"CLSE"

Setup Procedure

Besides "View-Table" function , Each setup procedure includes at least 3 steps:

1. **Setup**
2. **Function Code**
3. **Exit**

P/N:18020901010





The function codes is listed as following tables: (the "*" mark means factory default value)

Setup Function Codes Table

Buzzer Tone	+500hz				-500hz				
	0,0				0,1				
Computer Type	XT	AT*	PS50/60/80*	PS2-30	PS55x*	Apple Mac.			
	0,5	0,6	0,7	0,8	0,A	0,C			
Output Interface Selection	# Keyboard			# RS232		USB*			
	1,0			1,1		1,2			
Keyboard Language	US*	German		French	Spanish		Italian		
	1,5	1,6		1,7	1,8		1,9		
Inter-character Delay	1ms	2ms*	5ms	10ms	30ms	50ms			
	2,0	2,1	2,2	2,3	2,4	2,5			
Output Character Format	Lower-case			Upper-case*			Auto		
	3,1			3,2			3,3		
Terminator Selection	None	CR*	LF	CR+LF*	TAB	STX-ETX			
	4,0	4,1(K.B&USB)		4,2	4,3(RS232)	4,4		4,5	
# RS232 Baud Rate	1200 bps		2400 bps		4800 bps	9600 bps*		19200 bps	
	5,0		5,1		5,2	5,3		5,4	
# RS232 Data Bit	7 Data Bit				8 Data Bit*				
	5,5				5,6				
# RS232 Parity	None*		Odd		Even		Space		
	5,7		5,8		5,9		5,A		
Barcode Enable	All*	UPC/EAN	C39	C25	C11	C128	Codabar	C93	MSI C32
	6,0	6,1	6,2	6,3	6,4	6,5	6,6	6,7	6,8
Barcode Disable		UPC/EAN	C39	C25	C11	C128	Codabar	C93	MSI C32
		7,1	7,2	7,3	7,4	7,5	7,6	7,7	7,8
UPC/EAN Supplemental Code	None*		Read 2 digits only			Read 5 digits only		2 or 5 digits	
	8,0		8,1			8,2		8,3	
UPC Leading Zero Transmit.	UPC-A enable*		UPC-A disable		UPC-E enable*		UPC-E disable		
	9,0		9,1		9,2		9,3		
UPC Checksum Transmit.	UPC-A enable*		UPC-A disable		UPC-E enable*		UPC-E disable		
	9,8		9,9		9,A		9,B		
EAN Checksum Transmit.	EAN-13 enable*		EAN-13 disable		EAN-8 enable*		EAN-8 disable		
	9,4		9,5		9,6		9,7		
EAN-13 Translate To ISBN/ISSN	Enable				Disable*				
	A,0				A,1				
Code 39 Checksum Verify	Enable				Disable*				
	A,4				A,5				
Code 39 Checksum Transmit.	Enable*				Disable				
	A,6				A,7				
Code 39 Translate To Full C39	Enable				Disable*				
	A,8				A,9				
Codabar Start/Stop Transmit.	Enable				Disable*				
	C,0				C,1				
Code 11 Checksum Transmit.	Enable				Disable*				
	D,0				D,1				
Code 128 Checksum Transmit.	Enable				Disable*				
	E,0				E,1				
Code 93 Checksum Transmit.	Enable				Disable*				
	F,0				F,1				
Code Identification Mark	Enable				Disable*				
	F,2				F,3				
UPC=U EAN=E C39=A C25=I C11=B C128=C Codabar=N C93=D MSI =M C32=F (If Enable, code mark will be added in front of bar code data)									
Remark: “ * ” mark identifies that item set as to default. “ # ” mark identifies that item is not applicable in current available model.									

Examples: Set To Default ---- reads “Start” → “Set To Default” → “Exit”
 Set Terminator To “None” ---- reads “Start” → “4” → “0” → “Exit”

Preamble/Postamble Full ASCII & Function Codes Table

H L	0	1	2	3	4	5	6	7	8 PC/AT Func.	9 PC/AT Func.
0	NUL	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		Home
5	ENQ	NAK	%	5	E	U	e	u		End
6	ACK	SYN	&	6	F	V	f	v		
7	BEL	ETB	'	7	G	W	g	w		
8	BS	CAN	(	8	H	X	h	x		Ins
9	HT	EM	)	9	I	Y	i	y		
A	LF	SUB	*	:	J	Z	j	z		Pad 5
B	VT	ESC	+	;	K	[	k	{		
C	FF	FS	,	<	L	\	l	|		
D	CR	GS	-	=	M	]	m	}		
E	SO	RS	.	>	N	^	n	~	BS	
F	SI	US	/	?	O	_	o	DEL		

Example: Set "A" as Preamble --- Reads "Start" → "Preamble" → "4" → "1" → "Close" → "Exit"