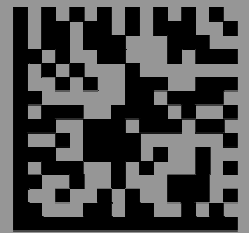


COMMAND & COMMUNICATION GUIDE

ICR 803
Bar Code Scanner



SICK

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Introduction

This manual details the communication structure and commands used to send programming parameters to the ICR803. To get started please refer to the manual named "ICR803 QUICK START GUIDE".

Serial Programming

The serial programming commands may be used in place of the programming bar codes. Both the serial commands and the programming bar codes will configure the ICR803.

Conventions

The following conventions are used for menu and query command descriptions.

<i>Parameter</i>	A label representing the actual
[option]	An optional part of the command
{data}	Alternatives in a command
Bold	Names of menus, menu commands, buttons, dialog boxes, and windows that appear on the screen.

Menu Command Syntax

Menu commands have the following syntax (spaces have been used for clarity only):

Prefix Tag SubTag {Data} [,SubTag { Data}][; Tag SubTag {Data}][...] Storage

Prefix	Three ASCII characters: SYN M CR (ASCII 22,77,13)
Tag	Three character case-insensitive field that identifies the desired menu command group. For example, all RS2323 configuration settings are identified with a Tag of 232.
SubTag	Three character case-insensitive field that identifies the desired menu command within the tag group. For example, the SubTag for the RS232 baud rate is BAD .
Data	The new value for a menu setting, identified by the Tag and SubTag.
Storage	A single character that specifies the storage table to which the command is applied. An exclamation point (!) performs the command's operation on the device's volatile menu configuration table. A period (.) performs the command's operation on the device's non-volatile menu configuration table. Use the non-volatile table only for semi-permanent changes you want saved through a power cycle.

Query Commands

Several special characters can be used to query the device about its settings.

^	What is the default value for the setting(s).
?	What is the devices current value for the setting(s).
*	What is the range of possible values for the setting(s). The devices response uses a dash (-_ to indicate a continuous range of values. A pipe () separates items in a list of non-continuous values.

Tag Field Usage

When a query is used in place of a Tag field, the query applies to the entire set of commands available for the particular storage table indicated by the storate field of the command. In this case, the SubTag and Data fields should not be used because they're ignored.

SubTag Field Usage

When a query is used in place of a SubTag field, the query applies only to the subset of commands available that match the Tag field. In this case, the Data field should not be used because it is ignored.

Data Field Usage

When a query is used in place of the Data field, the query applies only to the specific command identified by the Tag and SubTag fields.

Concatenation of Multiple Commands

Multiple commands can be issued within one Prefix/Storage sequence. Only the Tag, SubTag, and Data fields must be repeated for each command in the sequence. If additional commands are to be applied to the same Tag, then the new command sequence is separated with a comma (,) and only the SubTag and Data fields of the additional command are issued. If the additional command requires a different Tag field, the command is separated from the previous commands by a semicolon (;).

Responses

The device responds to the serial commands with one of three responses:

ACK	Indicates a good command has been processed.
ENQ	Indicates an invalid Tag or SubTag command
NAK	Indicates the command was good, but the Data field entry was out of the allowable range for this Tag and SubTag combination, e.g., an entry for a minimum message length of 100 when the field will only accept 2 characters.

When responding, the device echoes back the command sequence with the status character inserted directly before each of the punctuation marks (the period, exclamation point, comma, or semicolon) in the command.

Examples of Query Commands

	Description	Command	Response
A	This query requests the range of possible values for Codabar Coding Enable.	cbrena*.	CBRENA0-1[ACK] This response indicates possible values are 0 (for Off) and 1 (for On).
B	This query requests the default setting for Codabar enable.	cbrena^.	CBRENA1[ACK] This response indicates the default value is 1 (or On).
C	What is the device's current setting for Corabar Coding	cbrena?.	CBRENA1[ACK] This response indicates that codabar coding is 1 (i.e. On).
D	What are the device's settings for all codabar selections?	cbr?.	CBRENA1[ACK], SSX0[ACK], CK20[ACK], CCT1[ACK], MIN2[ACK], MAX60[ACK], DFT[ACK]. This response indicates the following: <ul style="list-style-type: none"> 1. Codabar coding (CBRENA) is enabled 2. Start/Stop character (SSX) is disabled 3. Check character (CK2) is disabled 4. Check character (CCT) is enabled 5. Min Message Length (MIN) is 2 characters. 6. Max Message Length (MAX) is 60 characters.

Trigger Commands

You can activate and deactivate the imager with serial trigger commands. First, the imager must be put in Manual/Serial Trigger Mode either by scanning the Manual/Serial Trigger Mode bar code, or by sending the Manual/Serial Menu Command. Once the imager is in serial trigger mode, the trigger is activated and deactivated by sending the following commands:

Activate Serial Trigger	SYN T CR
Deactivate Serial Trigger	SYN U CR

When the Trigger Command is activated, the imager scans until a bar code has been read, until the deactivated command is sent, or until the serial time out has been reached.

Resetting the Standard Product Defaults

If you aren't sure what programming options are in your imager, or you've changed some options and want the factory settings restored, scan the Standard Product Default Settings bar code below.



Menu Commands

Selection	Setting (* indicates default)	Serial Command	Description
Factory Default Settings	Default	Default	
Terminal Interfaces			
Terminal ID		TERMID###	
Baud Rate	300 BPS	232BAD0	
	600 BPS	232BAD1	
	1200 BPS	232BAD2	
	2400 BPS	232BAD3	
	4800 BPS	232BAD4	
	9600 BPS	232BAD5	
	19200 BPS	232BAD6	
	38400 BPS	232BAD7	
	57600 BPS	232BAD8	
115200 BPS	232BAD9		
Word Length Data Bits Stop Bits Parity	7 Data, 1 Stop, Parity Even	232WRD3	
	7 Data, 1 Stop, Parity None	232WRD0	
	7 Data, 1 Stop, Parity Odd	232WRD6	
	7 Data, 2 Stop, Parity Even	232WRD4	
	7 Data, 2 Stop, Parity None	232WRD1	
	7 Data, 2 Stop, Parity Odd	232WRD7	
	8 Data, 1 Stop, Parity Even	232WRD5	
	8 Data, 1 Stop, Parity None	232WRD2	
8 Data, 1 Stop, Parity Odd	232WRD8		
RS232 Receiver Timeout	0 to 300 seconds	232LPT###	
RS232 Handshaking	RTS/CTS Off	232CTS0	
	RTS/CTS On	232CTS1	
	XON/XOFF Off	232XON0	
	XON/XOFF On	232XON1	
	ACK/NAK Off	232ACK0	
	ACK/NAK On	232ACK1	
TTL232	TTL232 Inverted	232INV0	
	TTL232 Non-Inverted	232INV1	
Laser Emulation	Laser Emulation Same Code Output	PAPHLC	
	Laser Emulation Code 39 Output	PAP087	
Laser Emulation Transmission Rate	Laser Emulation Transmission Rate 36*	HLCSPD0	
	100	HLCSPD1	
Laser Emulation Polarity	Black High	HLCPOL0	
	White High*	HLCPOL1	
Laser Emulation Idle	Low	HLCIDL0	

	High*	HLCIDL1	
Output Selections			
Image VGA	Off	IMGVGA0	
	On*	IMGVGA1	
Beeper – Good Read	Off	BEPBEP0	
	On*	BEPBEP1	
Beeper Volume – Good Read	Off	BEPLVL0	
	Low	BEPLVL1	
	Medium*	BEPLVL2	
	High	BEPLVL3	
Beeper Pitch – Good Read Frequency	Low (1600) (min 400Hz)	BEPFQ11600	
	Medium (3250Hz)*	BEPFQ13250	
	High (4200Hz) max9000Hz	BEPFQ14200	
Beeper Duration – Good Read	Normal*	BEPBIP0	
	Short	BEPBIP1	
LED – Good Read	Off	BEPLED0	
	On*	BEPLED1	
Good Read Polarity	Active High	GRDINV1	
	*Active Low	GRDINV0	
Number of Good Read Beeps	Range (1*,2,3,4,5,6,7,8,9)	BEPRPT#	
Beep Polarity	Active High	BEPINV1	
	Active Low*	BEPINV0	
User Specified Reread Delay	0 to 30,000ms	DLYRRD####	
Reread Delay	Short (500ms)	DLYRRD500	
	Medium (750ms)*	DLYRRD750	
	Long (1000ms)	DLYRRD1000	
	Extra Long (2000ms)	DLYRRD2000	
User Specified Good Read Delay	NoDelay*	DLYGRD0	
	Short Delay (500ms)	DLYGRD500	
	Medium Delay(1000ms)	DLYGRD1000	
	Long Delay(1500ms)	DLYGRD1500	
Trigger Mode	Manual/Serial Trigger	TRGMOD0	
	Read Time Out (0-30,000ms) 120*	TRGSTO####	
	Manual Trigger, Low Power	TRGMOD2	
	Low Power Time Out Timer (0-30,000ms) 120*	TRGLPT###	
Scan Stand	Scan Stand Mode	TRGMOD4	
	Scan Stand Symbol	FNC3	
Presentation	Presentation Mode	TRGMOD3	

Hands Free Timeout	Range 0-300,000ms	TRGPTO#####	
LED Power Level	Off	PWRLDC0	
	Low (50%)	PWRLDC50	
	High (100%)*	PWRLDC100	
Illumination Lights	Lights On*	SCNLED1	
	Lights Off	SCNLED0	
Imager Timeout	Range 0 – 999,999ms	SDRTIM#####	
Aimer Delay	200 milliseconds	SCNDLY200	
	400 milliseconds	SCNDLY400	
	Off* (no delay)	SCNDLY0	
Aimer Mode	Off	SCNAIM0	
	Concurrent	SCNAIM1	
	Interlaced*	SCNAIM2	
Centering	Centering On	DECWIN1	
	Centering Off*	DECWIN0	
	Top of Center Window (*40%)	DECTOP	
	Bottom of Centering Window (*60%)	DECBOT	
	Left of Centering Window (*40%)	DECLFT	
	Right of Centering Window (*60%)	DECRGT	
Decode Search Mode	Full Omnidirectional (default for 2D)	DECMOD0	
	Quick Omnidirectional	DECMOD1	
	Advanced Linear Decoding (default for PDF imagers)	DECMOD2	
Output Sequence Editor	Enter Sequence	SEQBLK	
	Default Sequence	SEQDFT	
Require Output Sequence	Required	SEQ_EN2	
	On/Not Required	SEQ_EN1	
	Off	SEQ_EN0	
Multiple Symbols	On	SHOTGN1	
	Off*	SHOTGN0	
No Read	On	SHWNRD1	
	Off*	SHWNRD0	
Print Weight	Set Print Weight (1-7)	PRTWGT	
	*Default(4)	PRTWGT4	
Video Reverse	On	VIDREV1	
	Off*	VIDREV2	
	Upright*	ROTATN0	

Working Orientation	Rotate Clockwise 90	ROTATN1	
	Upside Down	ROTATN2	
	Rotate Counterclockwise 90	ROTANTN3	
Prefix/Suffix Selections			
Add CR Suffix to All Symbolologies		VSUF CR	
Prefix	Add Prefix	PREBK2##	
	Clear One Prefix	PRECL2	
	Clear All Prefixes	PRECA2	
Suffix	Add Suffix	SUFBK2##	
	Clear One Suffix	SUFCL2	
	Clear All Suffixes	SUFCA2	
Function Code Transmit	Enable*	RMVFNC0	
	Disable	RMVFNC1	
Intercharacter Delay	Range 0 – 495 ms	DLYCHR##	
User Specified Intercharacter Delay	Delay Length 0 – 495 ms	DLYCRX##	
	Character To Trigger Delay	DLY_XX##	
Interfunction Delay	Range 0 – 495 ms	DLYFNC##	
Intermessage Delay	Range 0 – 495 ms	DLYMSG##	
Data Formatter Selections			
Data Format Editor	Default Data Format (None)*	DFMDF3	
	Enter Data Format	DFMBK3##	
	Clear One Data Format	DFMCL3	
	Clear All Data Formats	DFMCA3	
Data Formatter	Off	DFM_EN0	
	On, but Not Required*	DFM_EN1	
	On, Required	DFM_EN2	
Alternate Data Formats	1	VSAF_1	
	2	VSAF_2	
	3	VSAF_3	
SYMBOLOGIES			
All Symbolologies	All Symbolologies Off	ALLENA0	
	All Symbolologies On	ALLENA1	
Codabar	Default All Codabar Settings	CBRDFT	
Codabar	Off	CBRENA0	
	On*	CBRENA1	
Codabar Start/Stop Character	Don't Transmit*	CBRSSX0	
	Transmit	CBRSSX1	
	No Check Character*	CBRCK20	

Codabar Check Character	Validate, But Don't Transmit	CBRCK21	
	Validate, and Transmit	CBRCK22	
Codabar Concatenation	Off	CBRCCT0	
	On*	CBRCCT1	
	Require	CBRCCT2	
Codabar Message Length	Minimum (2-60)*4	CBRMIN##	
	Maximum (2-60)*60	CBRMAX##	
Code39	Default All Code 39	C39DFT	
Code 39	Off	C39ENA0	
	On*	C39ENA1	
Code39 Start/Stop Char	Don't Transmit*	C39SSX0	
	Transmit	C39SSX1	
Code39 Check Char	No Check Character*	C39CK20	
	Validate, but don't transmit	C39CK21	
	Validate and transmit	C39CK22	
Code39 Message Length	Minimum (0-48) *0	C39MIN##	
	Maximum(0-48) *48	C39MAX##	
Code39 Append	Off*	C39APP0	
	On	C39APP1	
Code 32 Pharmaceutical	Off*	C39B320	
	On	C39B321	
Code39 Full ASCII	Off*	C39ASC0	
	On	C39ASC1	
	Code39 Code Page	C39DCP	
Interleaved 2 of 5	Default all interleaved 2 of 5 settings	I25DFT	
Interleaved 2 of 5	Off	I25ENA0	
	On*	I25ENA1	
Interleaved 2 of 5 Check Digit	No Check Character*	I25CK20	
	Validate, But Don't Transmit	I25CK21	
	Validate and Transmit	I25CK222	
Interleaved 2 of 5 Message Length	Minimum (2-80) *4	I25MIN##	
	Maximum (2-80) * 80	I25MAX##	
Interleaved 2 of 5 Check Digit	No Check Character*	I25CK20	
	Validate, but don't transmit	I25CK21	
	Validate and transmit	I25CK22	
Interleaved 2 of 5 check digit	Minimum (2-80) *4	I25MIN##	
	Maximum(2-80)*80	I25MAX##	

Code 93	Default all code 93 settings	C93DFT	
Code 93	Off	C93ENA0	
	On*	C93ENA1	
Code 93 Message Length	Minimum (0 – 80) *0	C93MIN##	
	Maximum(0-80) *80	C93MAX##	
	Code 93 Code Page	C93DCP	
Code 2 of 5	Default all code 2 of 5 settings	R25DFT	
Code 2 of 5	Off*	R25ENA0	
	On	R25ENA1	
Code 2 of 5 Message Length	Minimum (1 – 48) *4	R25MIN##	
	Maximum (1 – 48) *48	R25MAX##	
IATA Code 2 of 5	Default All IATA Code 2 of 5	A25DFT	
IATA Code 2 of 5	Off*	A25ENA0	
	On	A25ENA1	
IATA Code 2 of 5 Message Length	Minimum (1 – 48) *4	A25MIN##	
	Maximum (1 – 48) *48	A25MAX##	
Matrix 2 of 5	Default All Matrix 2 of 5 settings	X25DFT	
Matrix 2 of 5	Off*	X25ENA0	
	On	X25ENA1	
Code 11	Default All Code 11 Settings	C11DFT	
Code 11	Off*	C11ENA0	
	On	C11ENA1	
Code 11 Check Digits Required	1 Check Digit	C11CK20	
	2 Check Digits*	C11CK21	
Code 11 Message Length	Minimum (1 – 80) *4	C11MIN##	
	Maximum (1 – 80) *80	C11MAX##	
Code 128	Default all code 128 settings	128DFT	
Code 128	Off	128ENA0	
	On*	128ENA1	
ISBT Concatenation	Off*	ISBENA0	
	On	ISBENA1	
Code 128 Message Length	Minimum (1 – 80) *4	128MIN##	
	Maximum (1 – 80) *80	128MAX##	
	Code 128 Code Page	128DCP	
Telepen	Default All Telepen Settings	TELDFT	
Telepen	Off*	TELENA0	

	On	TELENA1	
Telepen Outpt	AIM Telepen Output	TELOLD0	
	Original Telepen Output	TELOLD1	
Telpen Message Length	Minimum(1-60)*1	TELMIN##	
	Maximum(1-60)*60	TELMAX##	
UPC-A	Default All UPC-A Settings	UPADFT	
UPC-A	Off	UPAENA0	
	On*	UPAENA1	
UPC-A Check Digit	Off	UPACKX0	
	On*	UPACKX1	
UPC-A Number System	Off	UPANSX0	
	On*	UPANSX1	
UPC-A 2 Digit Addenda	Off*	UPAAD20	
	On	UPAAD21	
UPC-A 5 Digit Addenda	Off*	UPAAD50	
	On	UPAAD51	
UPC-A Addenda Required	Not Required*	UPAARQ0	
	Required	UPAARQ1	
UPC-A Addenda Separator	Off	UPAADS0	
	On*	UPAADS1	
UPC-A/EAN-13 with Extended Coupon Code	On*	CPNENA1	
	Off	CPNENA0	
UPC-E0	Default All UPC-E Settings	UPEDFT	
UPC-E0	Off	UPEEN00	
	On*	UPEEN01	
UPC-E0 Expand	Off*	UPEEXP0	
	On	UPEEXP1	
UPC-E0 Addenda Required	Required	UPEARQ1	
	Not Required*	UPEARQ0	
UPC-E0 Addenda Separator	On*	UPEADS1	
	Off	UPEADS0	
UPC-E0 Check Digit	Off	UPECKX0	
	On*	UPECKX1	
UPC-E0 Number System	Off	UPENSX0	
	On*	UPENSX1	
UPC-E0 Addenda	2 Digit Addenda On	UPEAD21	

	2 Digit Addenda Off *	UPEAD20	
	5 Digit Addenda On	UPEAD51	
	5 Digit Addenda Off	UPEAD50	
UPC-E1	Off*	UPEEN10	
	On	UPEEN11	
EAN/JAN-13	Default All EAN/JAN Settings	E13DFT	
EAN/JAN-13	Off	E13ENA0	
	On*	E13ENA1	
EAN/JAN-13 Check Digit	Off	E13CKX0	
	On*	E13CKX1	
EAN/JAN-13 Check Digit	2 Digit Addenda On	E13AD21	
	2 Digit Addenda Off*	E13AD20	
	5 Digit Addenda On	E13AD51	
	5 Digit Addenda Off*	E13AD50	
EAN/JAN-13 Addenda Required	Not Required*	E13ARQ0	
	Required	E13ARQ1	
EAN/JAN-13 Addenda Separator	Off	E13ADS0	
	On*	E13ADS1	
ISBN Translate	Off*	E13ISB0	
	On	E13ISB1	
EAN/JAN-8	Default All EAN/JAN 8 Settings	EA8DFT	
EAN/JAN-8	Off	EA8ENA0	
	On*	EA8ENA1	
EAN/JAN-8 Check Digit	Off	EA8CKX0	
	On*	EA8CKX1	
EAN/JAN-8 Addenda	2 Digit Addenda Off*	EA8AD20	
	2 Digit Addenda On	EA8AD21	
	5 Digit Addenda Off*	EA8AD50	
	5 Digit Addenda On	EA8AD51	
EAN/JAN-8 Addenda Required	Not Required*	EA8ARQ0	
	Required	EA8ARQ1	
EAN/JAN-8 Addenda Separator	Off	EA8ADS0	
	On*	EA8ADS1	
MSI	Default all MSI Settings	MSIDFT	
MSI	Off*	MSIENA0	
	On	MSIENA1	
MSI Check Character	Validate Type 10 and don't transmit	MSICHK0	

	Validate Type 10 and transmit	MSCHK1	
MSI Message Length	Minimum (4-48)*4	MSIMIN##	
	Maximum(4-48)*48	MSIMAX##	
Plessey Code	Default All Plessey Settings	PLSDFT	
Plessey Code	Off*	PLSENA0	
	On	PLSENA1	
Plessey Message Length	Minimum (4048)*4	PLSMIN##	
	Maximum (4048)*48	PLSMAX##	
RSS-14	Default All RSS-14 Settings	RSSDFT	
RSS-14	Off	RSSENA0	
	On*	RSSENA1	
RSS Limited	Default All RSS-14 Limited Settings	RSLDFT	
RSS Limited	Off	RSLENA0	
	On*	RSLENA1	
RSS Expanded	Default All RSS14 Expanded Settings	RSEDFT	
RSS Expanded	Off	RSEENA0	
	On*	RSEENA1	
RSS Expanded Message Length	Minimum(0-80)*4	RSSMIN##	
	Minimum(0-80)*74	RSSMAX##	
PosiCode	Default All PosiCode Settings	POSDFT	
PosiCode	Off	POSENA0	
	On*	POSENA1	
	A and B On	POSLIM0	
	A and B and Limited A On	POSLIM1	
	A* and B and Limited B On	POSLIM2	
PosiCode Msg. Length	Minimum(0-80)*4	POSMIN##	
	Minimum(0-80)*48	POSMAX##	
Trioptic Code	Off*	TRIENA0	
	On	TRIENA1	
Codablock F	Default All Codablock F Settings	CBFDFT	
Codablock F	Off*	CBFENA0	
	On	CBFENA1	
Codablock F Msg. Length	Minimum(1-2048)*1	CBFMIN####	
	Minimum(1-2048)*2048	CBFMAX####	

Code 16K	Default All Code 16K Settings	16KDFT	
Code 16K	Off*	16LENA0	
	On	16LENA1	
Code 16K Msg. Length	Minimum (0 – 160)*1	16KMIN###	
	Maximum (0 – 160)*160	16KMAX###	
Code49	Default All Code 49 Settings	C49DFT	
Code49	Off	C49ENA0	
	On*	C49ENA1	
Code49 Msg. Length	Minimum (1-81)*1	C49MIN##	
	Maximum(1-81)*81	C49MAX##	
PDF417	Default All PDF417 Settings	PDFDFT	
PDF417	On*	PDFENA0	
	Off	PDFENA1	
PDF417 Msg. Length	Minimum(1-2750)*1	PDFMIN####	
	Minimum(1-2750)*81	PDFMAX####	
MicroPDF417	Default All Micro PDF417 Settings	MPDDFT	
MicroPDF417	On*	MPDENA0	
	Off	MPDENA1	
MicroPDF417 Msg. Length	Minimum(1-366)*1	MPDMIN###	
	Maximum(1-366)*366	MPDMAX###	
EAN UCC Composite Codes	On	COMENA1	
	Off*	COMENA0	
EAN UCC Composite Codes Msg. Len	Minimum (1-2435)*1	COMMIN####	
	Maximum(1-2435)*2435	COMMAX####	
EAN UCC Emulation	RSS Emulation	EANEMU2	
	EAN UCC Code 128 Emulation	EANEMU1	
	EAN UCC Emulation Off*	EANEMU0	
TCIF Linked Code39	On	T39ENA1	
	Off*	T39ENA0	
Postnet	On	NETENA1	
	Off*	NETENA0	
Planet Code	On	PLNENA1	
	Off*	PLNENA0	
British Post	On	BPOENA1	
	Off*	BPOENA0	
Canadian Post	On	CANENA1	

	Off*	CANENA0	
Kix (Netherlands) Post	On	KIXENA1	
	Off	KIXENA0	
Australian Post	On	AUSENA1	
	Off*	AUSENA0	
Japanese Post	On	JAPENA1	
	Off*	JAPENA0	
China Post	Default All China Post Settings	CPCDFT	
China Post	Off*	CPCENA0	
	On	CPCENA1	
China Post Msg. Length	Minimum (0-80)*4	CPCMIN##	
	Maximum (0-80)*80	CPCMAX##	
Korea Post	Default all Korea Post	KPCDFT	
Korea Post	Off*	KPCENA0	
	On	KPCENA1	
Korea Post Msg. Length	Minimum (2-80)*4	KPCMIN##	
	Maximum (2-80)*48	KPCMAX##	
QR Code	Default All QR Code Settings	QRCDFT	
QR Code	On	QRCENA1	
	Off	QRCENA0	
QR Code Msg. Length	Minimum (2-3500)*4	QRCMIN####	
	Maximum (2-3500)*3500	QRCMAX####	
Data Matrix	Default all data matrix settings	IDMDFT	
Data Matrix	On*	IDMENA1	
	Off	IDMENA0	
Data Matrix Msg. Length	Minimum (1-1500)*1	IDMMIN####	
	Maximum (1-1500)*1500	IDMMAX####	
MaxiCode	Default All Maxicode Settings	MAXDFT	
MaxiCode	On	MAXENA1	
	Off*	MAXENA0	
MaxiCode Msg. Length	Minimum(1-150)*1	MAXMIN###	
	Maximum(1-150)*150	MAXMAX###	
Aztec Code	Default All Aztec Code Settings	AZTDFT	
Aztec Code	On*	AZTENA1	
	Off	AZTENA0	

Aztec Code Msg. Length	Minimum (1-3750)*1	AZTMIN####	
	Maximum(1-3750)*3750	AZTMAX####	
Aztec Runes	Enable Runes	AZTRUN1	
	Disable Runes*	AZTRUN0	
SYMBOLOGIES			
OCR	Default All OCR Settings	OCRDFT	
	OCR-A	OCRENA1	
	OCR-B	OCRENA2	
	US Currency On	OCRENA3	
	MICR E 13 B On	OCRENA4	
	SEMI Font	OCRENA5	
	All OCR Off*	OCRENA0	
OCR Templates	Enter OCR Template	OCRTMP	
	Enter User Defined Variable	OCRGPG	
	Enter User Deined Variable h	OCRGPH	
	OCR Modulo 10 Check Character	"OCRCHK0123456789"	
	OCR Modulo 36 Check Character	"OCRCHK0123456789ABC DEFGHIJKLMNOPQRSTU VWXYZ"	

IMAGE SHIP COMMANDS

Image Ship	*Infinity Filter - Off	IMGINF0
	Infinity Filter - On	IMGINF1
	*Compensation Off	IMGCOR0
	Compensation On	IMGCOR1
	*Pixel Depth - 8 bits/pixel (grayscale)	IMGBPP8
	Pixel Depth - 1 bit/pixel (B&W)	IMGBPP1
	*Don't Sharpen Edges	IMGEDG0
	Sharpen Edges (0-23)	IMGEDG##
	*File Format - JPEG	IMGFMT6
	File Format - KIM	IMGFMT0
	File Format - TIFF binary	IMGFMT1
	File Format - TIFF binary group 4, compressed	IMGFMT2
	File Format - TIFF grayscale	IMGFMT3
	File Format - Uncompressed binary	IMGFMT4
	File Format - Uncompressed grayscale	IMGFMT5
	File Format - BMP	IMGFMT8
	*Histogram Stretch Off	IMGHIS0
	Histogram Stretch On	IMGHIS1
	Invert Image around X axis	IMGNVX1
	Invert Image around Y axis	IMGNVY1
	*Fly Spec (Noise Reduction) Off	IMGFSP0
	Fly Spec (Noise Reduction) On	IMGFSP1
	Rotate Image 90° right	IMGROT1
	Rotate Image 180° right	IMGROT2
	Rotate Image 90° left	IMGROT3
	JPEG Image Quality (0-100) *50	IMGJQF###
	*Gamma Correction Off	IMGGAM0
	Gamma Correction On (1-255)	IMGGAM###
	Image Crop - Left (0-640 or 752) *0	IMGWNL###
	Image Crop - Bottom (0-480) *479	IMGWNB###
	Image Crop - Margin (1-238) *0	IMGMAR###
	Protocol - None (raw)	IMGXFR0
	Protocol - None (default USB)	IMGXFR2
	Protocol - Hmodem	IMGXFR3
	Protocol - Hmodem Com-pressed	IMGXFR4
	Ship Every Pixel	IMGSUB1
	Ship Every 2nd Pixel	IMGSUB2
	Ship Every 3rd Pixel	IMGSUB3
	*Document Image Filter Off	IMGUSH0
	Document Image Filter On (0-255)	IMGUSH###
	*Don't Ship Histogram	IMGHST0
	Ship Histogram	IMGHST1

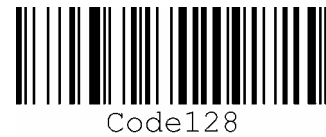
Sample Bar Codes

The table of sample bar codes below may be used for testing purposes of the ICR803. The ICR803 user needs to ensure the appropriate menu option is turned on inside the ICR803 to successfully decode the images below.

CODE 39



CODE 128



DataMatrix



PDF417



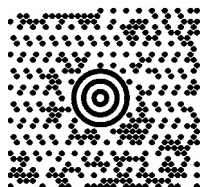
Interleaved 2 of 5



UPC-A



Maxicode



C

<p>Commands 7, 11</p> <p style="padding-left: 20px;">Aimer 13</p> <p style="padding-left: 20px;">Australian 22</p> <p style="padding-left: 20px;">Aztec Code 24</p> <p style="padding-left: 20px;">Baud Rate 11</p> <p style="padding-left: 20px;">Beeper 12</p> <p style="padding-left: 20px;">British Post 22</p> <p style="padding-left: 20px;">Canadian Post 22</p> <p style="padding-left: 20px;">Centering 13</p> <p style="padding-left: 20px;">China 23</p> <p style="padding-left: 20px;">Codabar 15</p> <p style="padding-left: 20px;">Codablock F 21</p> <p style="padding-left: 20px;">Code 11 17</p> <p style="padding-left: 20px;">Code 128 17</p> <p style="padding-left: 20px;">Code 16K 21</p> <p style="padding-left: 20px;">Code 2 of 5 17</p> <p style="padding-left: 20px;">Code 93 16</p> <p style="padding-left: 20px;">Code39 15</p> <p style="padding-left: 20px;">Code49 21</p> <p style="padding-left: 20px;">Concatenation 8</p> <p style="padding-left: 20px;">Data Matrix 23</p> <p style="padding-left: 20px;">Decode Search Mode 14</p> <p style="padding-left: 20px;">Delay 13, 15</p> <p style="padding-left: 20px;">EAN UCC 22</p> <p style="padding-left: 20px;">EAN/JAN-8 19</p> <p style="padding-left: 20px;">Examples 9</p> <p style="padding-left: 20px;">Formatting 15</p> <p style="padding-left: 20px;">IATA Code 2 of 5 17</p> <p style="padding-left: 20px;">Interleaved 2 of 5 16</p> <p style="padding-left: 20px;">Japanese 22</p> <p style="padding-left: 20px;">Kix 22</p> <p style="padding-left: 20px;">Korea 23</p> <p style="padding-left: 20px;">Laser Emulation 12</p> <p style="padding-left: 20px;">Laser Emulation Idle 12</p> <p style="padding-left: 20px;">Laser Emulation Polarity 12</p> <p style="padding-left: 20px;">Laser Emulation Transmission</p> <p style="padding-left: 40px;">Rate 12</p> <p style="padding-left: 20px;">LED 12</p> <p style="padding-left: 20px;">LED Power Level 13</p> <p style="padding-left: 20px;">Matrix 2 of 5 17</p>		<p>MaxiCode 23</p> <p>Menu 7, 11</p> <p>MicroPDF417 22</p> <p>MSI 20</p> <p>OCR 24</p> <p>Orientation 14</p> <p>PDF417 21</p> <p>Plessey Code 20</p> <p>PosiCode 21</p> <p>Postnet 22</p> <p>Prefix 14</p> <p>Presentation 13</p> <p>QR Code 23</p> <p>Query 8</p> <p>Responses 8</p> <p>RS232 Data Bits 11</p> <p>RS232 Handshaking 11</p> <p>RS232 Parity 11</p> <p>RS232 Stop Bits 11</p> <p>RS232 Word Length 11</p> <p>RSS-14 20</p> <p>Scan Stand 13</p> <p>Suffix 14</p> <p>Telepen 18</p> <p>Terminal ID 11</p> <p>Trigger 10</p> <p>Trigger Mode 13</p> <p>TTL232 11</p> <p>UPC-A 18</p> <p>UPC-A/EAN-13 18</p> <p>UPC-E0 18</p> <p>UPC-E1 19</p> <p>Commands Timeout</p> <p style="padding-left: 20px;">RS232 Receiver Timeout 11</p> <p>Connecting 3</p> <p style="padding-left: 20px;">RS232 3</p> <p style="padding-left: 20px;">USB 3</p> <p>Conventions 7</p>
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