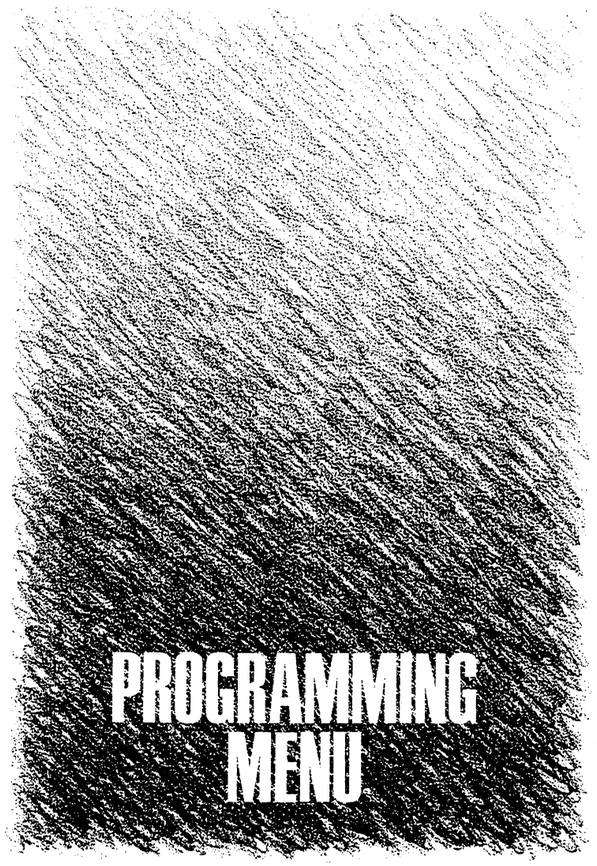
SCANTEAM®
1100/1200



Welch Allyn

1100/1200/PM Rev C

Welch Allyn
4619 Jordan Road
Skaneateles Falls, New York 13153-0187

USER'S NOTES

SCAN
ENTER

SCAN
DEFAULT

SCAN
EXIT

SCANTEAM 1200, 1100 Series Programming Menu

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To configure the Magnetic Stripe Reader (MSR) Port.

selections	SCAN	variables	SCAN	SCAN
Track 1	I	Enable		*Yes/No
		Minimum (2)	A	01-MAX
		Maximum (3)	B	MIN-80
Tracks 2 & 3	II	Enable		*Yes/No
		Minimum (2)	A	01-MAX
		Maximum (4)	B	MIN-80
Start/Stop Character Xmit	III	Enable		Yes/No*
LRC Character Xmit	IV	Enable		Yes/No*

NOTES
(1) * Designates DEFAULT settings.
(2) The DEFAULT Minimum Length is 4 characters.
(3) The DEFAULT Maximum Length is 76 characters.
(4) The DEFAULT Maximum Length is 37 characters.

BAR CODE CHART

USE THIS PAGE
- In combination with the adjoining menu pages to program decoder.
- The bar codes on this page correspond to symbols in shaded areas on adjoining menu pages. SCAN these bar codes in the sequence indicated on menu page to program desired selections and variables.

roman numerals	letters	digits	others
I	A	0 (YES)	STATUS
II	B	1 (NO)	ESCAPE
III	C	2	CLEAR BLOCK BUFFER
IV	D	3	DELETE PREVIOUS BLOCK DATA
V	E	4	SEND BLOCK DATA
VI	F	5	SCROLL RIGHT
VII	G	6	SCROLL LEFT
VIII	H	7	BEGIN PROMPT SEQUENCE
IX	I	8	END PROMPT SEQUENCE
X	J	9	DEFAULT
			EXIT

INDUSTRIAL CODE OUTPUT FORMATS

CODABAR
Code 3 of 9
INTERLEAVED 2 of 5
2 of 5
Code 11
Code 93
Code 128
Matrix 2 of 5

aSX ..... XS
bSXX .... XXCS
eXX XXC
fXX XX
hXX XXCC
iXX XX
jXX XX
mXX XX

Where: a = CODABAR Code ID
b = Code 3 of 9 ID
e = Interleaved 2 of 5 ID
f = 2 of 5 ID
h = Code 11 ID
i = Code 93 ID
j = Code 128 ID
m = Matrix 2 of 5
S = Start/Stop Character
X = Data Character
C = Checksum Character

NOTE: Proper parameters must be turned on for code identification. Start/stop and Checksum characters to be transmitted. **For maximum data security, disable the Codes not used.**

FULL ASCII CODE 3 OF 9 CHARACTERS

If full ASCII Code 3 of 9 decoding is enabled, certain character pairs within the bar code symbol will be interpreted as a single character. For example: $V will be decoded as the ASCII character SYN and /C will be decoded as the ASCII character #.

FULL ASCII CODE 3 OF 9 CHART

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

Character pairs /M and /N decode as a minus sign and period respectively.
Character pairs /P through /Y decode as 0 through 9.

MIN/MAX LENGTH

These variables are used to require that bar code symbols contain a character count within a certain range. Bar codes with counts outside this range will not be decoded.

EXAMPLE: Decode only those bar codes with a count of 9-20 characters.
Min. length = 09
Max. length = 20

EXAMPLE: Decode only those bar codes with a count of 15 characters.
Min. length = 15
Max. length = 15

SCAN
ENTER

SCAN
DEFAULT

SCAN
EXIT

SCANTEAM 1200, 1100 Series Programming Menu

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To enable or disable listed code selections.

selections	SCAN	variables	SCAN	SCAN
Codabar (ID = a)	I	Enable		*Yes/No
		Minimum Length	A	*01-MAX
		Maximum Length	B	MIN-60*
		S/S Xmit	C	Yes/No*
		Check Char. Req'd	D	Yes/No*
		Xmit Check Char.	E	Yes/No*
		Concantenation	F	Yes/No*
Code 39 (ID = b)	II	Enable		*Yes/No
		Minimum Length	A	*00-MAX
		Maximum Length	B	MIN-48*
		S/S Xmit	C	Yes/No*
		Check Char. Req'd	D	Yes/No*
		Xmit Check Char.	E	Yes/No*
		Full ASCII	F	*Yes/No
		Append Option	G	Yes/No*
Interleaved 2 of 5 (ID = e)	III	Enable		*Yes/No
		Minimum Length(2)	A	02-MAX
		Maximum Length	B	MIN-80*
		6, 14 & 16 Only	C	Yes/No*
		Check Digit Req'd	D	Yes/No*
		Xmit Check Digit	E	Yes/No*
Code 2 of 5 (ID = f)	IV	Enable		*Yes/No
		Minimum Length(2)	A	01-MAX
		Maximum Length	B	MIN-48*
Matrix 2 of 5 (ID = m)	V	Enable		*Yes/No
		Minimum Length(2)	A	01-MAX
		Maximum Length	B	MIN-80*
Code 11 (ID = h)	VI	Enable		*Yes/No
		Minimum Length(2)	A	01-MAX
		Maximum Length	B	MIN-80*
		# Check Digits	C	1-2*
Code 93 (ID = i)	VII	Enable		*Yes/No
		Minimum Length		*00-MAX
		Maximum Length		MIN-64*
Code 128 (ID = j)	VIII	Enable		*Yes/No
		Minimum Length		*00-MAX
		Maximum Length		MIN-80*

NOTES
(1) * Designates DEFAULT selections.
(2) The DEFAULT Minimum Length for these codes is 4 characters.

RETAIL CODE OUTPUT FORMATS

Non-Zero Suppressed UPC-A and UPC-E Output Format

UPC-A	cNXXXXXXXXXXC
UPC-A with 2 digit supplemental	cNXXXXXXXXXXC-SS
UPC-A with 5 digit supplemental	cNXXXXXXXXXXC-SSSSS
UPC-E	cNXXXXXXXXXC
UPC-E with 2 digit supplemental	cNXXXXXXXXXC-SS
UPC-E with 5 digit supplemental	cNXXXXXXXXXC-SSSSS

Zero Suppressed UPC-A and UPC-E Output Format

UPC-A	cNXXXXXXXXXXC
UPC-A with 2 digit supplemental	cNXXXXXXXXXXC-SS
UPC-A with 5 digit supplemental	cNXXXXXXXXXXC-SSSSS
UPC-E	cXXXXXX
UPC-E with 2 digit supplemental	cNXXXXXX-SS
UPC-E with 5 digit supplemental	cNXXXXXX-SSSSS

EAN/JAN Output Format

EAN/JAN-13	dffXXXXXXXXXXC
EAN/JAN-13 with 2 digit supplemental	dffXXXXXXXXXXC-SS
EAN/JAN-13 with 5 digit supplemental	dffXXXXXXXXXXC-SSSSS
EAN/JAN-8	dffXXXXXC
EAN/JAN-8 with 2 digit supplemental	dffXXXXXC-SS
EAN/JAN-8 with 5 digit supplemental	dffXXXXXC-SSSSS

Where: c = UPC Code ID
d = EAN/JAN Code ID
g = MSI
k = AMES
n = Plessey
N = Number System Character
f = Identification Flag
X = Data Character
C = Checksum Character
– = Space
S = Supplemental Character

NOTE: Proper parameters must be turned on for code identification, number system, checksum and supplemental characters to be transmitted. **For maximum data security, disable the Codes not used.**

UPC/EAN LENGTH CHART

selections	Basic Length	W/out Ck. Digit	W/out # Sys. Digit	W/2 Digit Addendum	W/5 Digit Addendum	TOTAL
UPCA	12	–01	–01	+02	+05	
UPCE [w/ 0's suppressed]	8	–01	–01	+02	+05	
UPCE [expanded]	12	–01	–01	+02	+05	
UPCD1	14	–01	–01	+02	+05	
UPCD2	20	–02	–01	+02	+05	
UPCD3	24	–02	–01	+02	+05	
UPCD4	28	–03	–01	+02	+05	
UPCD5	32	–03	–01	+02	+05	
EAN8	8	–01	N/A	+02	+05	
EAN13	13	–01	N/A	+02	+05	

SCANTEAM 1200, 1100 SERIES
Programming Menu

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To program Terminal Port Identification (ID) Number.
- To select Data Destination.
- To program intercharacter delay and fixed message length.

SCAN
ENTER

SCAN
DEFAULT

selections	SCAN	variables	SCAN	SCAN
Code ID	I	Welch Allyn Format	A*	
		AIM Format	B	
Data Dest	II	To Terminal	A	Yes/No*
		To Host	B	*Yes/No
		To Display	C	*Yes/No
Inter Delay	III	No	A*	
		Yes	B	00-99
Beep Out Port 2(6)	IV	Enable		Yes/No*
Fixed Message Length	V	Enable		Yes/No*
		Length (3)		001-512 (Standalone) 001-128 (Network)
		Fill Character (4)		00-7F
		Field Separator (5)		00-7F
Time Stamp (7)	VI	Enable		Yes/No*

SCAN
EXIT

NOTES:
(1) Once "WA Network" is selected only the following communications options can be altered: Data Form, Code ID, Data Destination ("To Display" only), Beep Out Port 2 and Fixed Message Length.
(2) * Designates DEFAULT selections.
(3) The DEFAULT Length is 80 characters.
(4) The DEFAULT Fill Character is a space (20 Hex).
(5) The DEFAULT Field Separator is "FS" (1C Hex).
(6) Not applicable to the 1100.
(7) Block Mode Only.

Code ID — When enabled the symbology of the scanned bar code will be identified by a single lower case letter. The complete listing of Welch Allyn code identifier definitions appears in Appendix section A.10. If AIM Format is enabled, bar code symbologies are identified by the AIM Standard Symbology Identifiers. (Refer to appendix A.8).

Intercharacter Delay — When enabled an intercharacter delay of between 01 to 99 milliseconds can be programmed. If disabled delay will be set to 0. Incoming messages may not have an intercharacter delay greater than one (1) byte time at the programmed baud rate.

Beep Out Port 2 — When enabled, permits an external beeper (which meets Welch Allyn specifications) to be driven from Scanner Port 2.

Fixed Message Length — When enabled, terminal can be programmed to transmit data strings a specified number of characters in length.

Length — Specifies message length in total number of characters. Values ranging from 001 - 512 in Standalone and 001 - 128 in Network may be specified.

Fill Character — Fill characters are used to add characters to the message in order to increase it to the 'fixed' length. Only one character can be selected but any value between 00 and 7F Hex can be used.

Field Separator — Used to separate two or more bar code data entries within the same message. Adds to the total character count of 'fixed' message length.

EXAMPLE: FIXED MESSAGE LENGTH

The following fixed length message is structured to contain two bar code inputs

Specified Message Length — 30 Characters
Bar Code Length — 12 Characters
Field Separator — 00 Hex
Fill Characters — 07 Hex

MESSAGE FORMAT:

CCCCCCCCCCCC	ID1	00	CCCCCCCCCCCC	ID2	00	07	07
Bar Code Data 1	Code ID for Bar Code 1	Field Separator	Bar Code Data 2	Code ID for Bar Code 2	Field Separator	Fill Characters	

Time Stamp — Used to include a time stamp with every scan or keyed entry while in block mode.

TIME STAMP FORMAT:

CCCCCC	SPC	HH : MM : SS
Bar Code Data	Space (Hex 20)	Hour Minutes Seconds

SCAN
ENTER

SCAN
DEFAULT

SCANTEAM 1200, 1100 Series Programming Menu

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To enable or disable listed code selections.

selections		SCAN	variables	SCAN	SCAN
UPC	(ID = c)	I	Version A	A	*Yes/No
			Version D(2)	B	No*
			Version E0	C	*Yes/No
			Version E1	D	*Yes/No
			Check Digit Xmit	E	Yes/No*
			Number System Xmit	F	*Yes/No
			Version E Expand	G	Yes/No*
			2-Digit Addenda	H	*Yes/No
			5-Digit Addenda	I	*Yes/No
EAN	(ID = d)	II	EAN/JAN 13	A	*Yes/No
			EAN/JAN 8	B	*Yes/No
			Check Digit Xmit	C	*Yes/No
			2-Digit Addenda	D	*Yes/No
			5-Digit Addenda	E	*Yes/No
UPC & EAN Addenda Req'd		III	Enable		Yes/No*
MSI	(ID = g)	IV	Enable		*Yes/No
			Minimum Length		*04-MAX
			Maximum Length		MIN-48*
Plessey	(ID = n)	V	Enable		*Yes/No
			Minimum Length		*04-MAX
			Maximum Length		MIN-48*
AMES	(ID = k)	VI	Enable		*Yes/No
			Minimum Length (3)		01-MAX
			Maximum Length		MIN-60*

SCAN
EXIT

NOTES
(1) * Designates DEFAULT selections.
(2) For Potential Expansion Only — UPC-D is not currently read.
(3) The DEFAULT Minimum Length for these codes is 4 characters.

PREAMBLE/POSTAMBLE

Preambles and Postambles are characters added by the units to transmitted Aux Port data records. These characters should be sent by the Aux Port to the terminals. Use the Hex-ASCII table below to find the alpha-numeric code to be used for programming a particular Preamble or Postamble.

Programming Example: To program a horizontal TAB Postamble
Scan: **Enter, IV, E, 0, 9, EXIT.**

HEX — ASCII CHART

NUL	00	DLE	10	SP	20	0	30	@	40	P	50	`	60	p	70
SOH	01	DC1	11	!	21	1	31	A	41	Q	51	a	61	q	71
STX	02	DC2	12	"	22	2	32	B	42	R	52	b	62	r	72
ETX	03	DC3	13	#	23	3	33	C	43	S	53	c	63	s	73
EOT	04	DC4	14	$	24	4	34	D	44	T	54	d	64	t	74
ENQ	05	NAK	15	%	25	5	35	E	45	U	55	e	65	u	75
ACK	06	SYN	16	&	26	6	36	F	46	V	56	f	66	v	76
BEL	07	ETB	17	'	27	7	37	G	47	W	57	g	67	w	77
BS	08	CAN	18	(	28	8	38	H	48	X	58	h	68	x	78
HT	09	EM	19	)	29	9	39	I	49	Y	59	i	69	y	79
LF	0A	SUB	1A	*	2A	:	3A	J	4A	Z	5A	j	6A	z	7A
VT	0B	ESC	1B	+	2B	;	3B	K	4B	[	5B	k	6B	{	7B
FF	0C	FS	1C	,	2C	<	3C	L	4C	\	5C	l	6C	|	7C
CR	0D	GS	1D	-	2D	=	3D	M	4D	]	5D	m	6D	}	7D
SO	0E	RS	1E	.	2E	>	3EI	N	4E	^	5E	n	6E	~	7E
SI	0F	US	1F	/	2F	?	3F	O	4F	_	5F	o	6F	DEL	7F

INPUT MODE

NONTRANSPARENT — Data from the Aux port is treated as data from the scanner, i.e. it is sent to "Data Destination" and stored in Block Buffer (if applicable).

TRANSPARENT — Data is sent only to the Host Port and is not saved in Block Buffer if enabled.

SCAN

ENTER

SCAN

DEFAULT

SCAN

EXIT

SCANTEAM 1200, 1100 Series Programming Menu

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To program Host and Terminal Port communications.

selections	SCAN	variables	SCAN	SCAN
Terminal ID	I	Unassigned	A*	
		Assigned	B	*001-999
Protocol	II	WA Network (1)	A	Yes/No*
		ACK/NAK	B	Yes/No*
		Framed? (If Yes)		Yes/No*
		Validation Mode	C	Yes/No*
		Validation Delay		01-99
		Block	D	Yes/No*
		XON/XOFF	E	Yes/No*
		Block Checking	F	Yes/No*
		Serial Timeout (4)	G	Yes/No*
		Serial Delay		01-99
Baud Rate	III	150	A	
		300	B	
		600	C	
		1200	D	
		2400	E	
		4800	F	
		9600	G*	
		19200	H	
		38400	I	
Number of Data Bits	IV	7	A*	
		8	B	
Parity	V	Mark	A	
		Space	B	
		Even	C*	
		Odd	D	
Configuration	VI	RS232C	A*	
		RS422	B	
Preamble (6)	VII	Clear	A	
		STX	B	
		Terminal ID	C	
		Code ID	D*	
		ASCII	E	00-7F
		Time Stamp	F	
		Date Stamp (3)	G	
Postamble	VIII	Clear	A	
		ETX	B	
		CR	C*	
		LF	D*	
		ASCII	E	00-7F
		Time Stamp	F	
		Date Stamp (3)	G	
Date Form (3)	IX	MM/DD/YY	A*	
		DD/MM/YY	B	
Ahearn & Soper (5) 1180 Mode	X	Disable	A*	
		Enable	B	

NOTES
(1) Selecting "WA Network" requires prior assignment of a Terminal ID in the range of 01-31. Once "WA Network" is selected only the following communications options can be altered: Date Form, Code ID, Data Destination ("To Display" only), Beep Out Port 2 and Fixed Message Length. NOTE: the unit **must** be configured (via jumper) in the RS232/485 mode.
(2) * Designates DEFAULT selections.
(3) Not applicable to the 1100.
(4) Starting with 1100 Level B/D, 1200 Level B/F.
(5) 1200 Model 25 only.
(6) 1200 Model 25 Default is 'Clear'.

Terminal ID — When enabled permits an identifying number, called the Terminal ID, to be assigned to all data transmissions which originate from the terminal. Any value between 001-999 may be selected. When configured for Welch Allyn Network any values between 001 and 031 may be specified.

Protocol — This menu selection is used to configure the communications protocol between the Terminal and the Host.

Welch Allyn Net — When the selection 'Welch Allyn Net' is enabled (Yes), the terminal will operate in multidrop mode. Terminal ID's between (001 and 031) are permitted. If no Protocol selection is specified, the terminal will default to standalone operation.

ACK/NAK — ACK/NAK protocol allows both the Host and the Terminal(s) to perform basic ACK/NAK format parity checks on all incoming messages.

Framed — When enabled, each ACK and NAK will be 'framed' by the terminal Preamble and Postamble which has been programmed by the user.

Validation Mode — When enabled, a validation character is substituted for the ACK/NAK response. the validation character (1B Hex) replaces the ACK, and the character (7F Hex) replaces the NAK.

Validation Delay — When this selection is enabled, the terminal may be programmed to wait from 00 to 99 seconds for validation from the host device.

Block Mode Operation — When Block Mode is enabled, each data entry (keyboard or scanned) is stored in a message buffer as a 'block' of data, and is not transmitted until the SEND BLOCK DATA bar code is scanned by the operator.

XON/XOFF — Can be used **only** in Standalone Mode. When XON/XOFF is enabled, the command "DC1" from the host to the terminal will initiate communication; the command "DC3" will stop data transmissions.

Block Checking — When enabled, a Block Check Character (BCC) is included in each data transmission **to** and **from** the terminal. The BCC is the "Exclusive Or" of all characters in the message, **excluding** the Preamble and Postamble.

Preambles — When enabled, one or more characters are transmitted as a header immediately preceeding scanned bar code data or data entered from the keyboard. Up to twelve (12) preambles can be selected and will be transmitted in the order in which they are made.

Postambles — Postambles are programmable data identifiers which follow the bar code or keyboard messages. Up to twelve (12) postambles can be programmed.

PREAMBLE/POSTAMBLE

Preambles and Postambles are characters added to operator entered data. These characters are sent with the data to the Data Destination. Use the Hex-ASCII table below to find the alpha-numeric code to be used for programming a particular Preamble or Postamble.

Programming Example: To program a horizontal TAB Postamble
Scan: **Enter, VII, E, 0, 9, EXIT.**

HEX — ASCII CHART

NUL	00	DLE	10	SP	20	0	30	@	40	P	50	`	60	p	70
SOH	01	DC1	11	!	21	1	31	A	41	Q	51	a	61	q	71
STX	02	DC2	12	"	22	2	32	B	42	R	52	b	62	r	72
ETX	03	DC3	13	#	23	3	33	C	43	S	53	c	63	s	73
EOT	04	DC4	14	$	24	4	34	D	44	T	54	d	64	t	74
ENQ	05	NAK	15	%	25	5	35	E	45	U	55	e	65	u	75
ACK	06	SYN	16	&	26	6	36	F	46	V	56	f	66	v	76
BEL	07	ETB	17	'	27	7	37	G	47	W	57	g	67	w	77
BS	08	CAN	18	(	28	8	38	H	48	X	58	h	68	x	78
HT	09	EM	19	)	29	9	39	I	49	Y	59	i	69	y	79
LF	0A	SUB	1A	*	2A	:	3A	J	4A	Z	5A	j	6A	z	7A
VT	0B	ESC	1B	+	2B	;	3B	K	4B	[	5B	k	6B	{	7B
FF	0C	FS	1C	,	2C	<	3C	L	4C	\	5C	l	6C	|	7C
CR	0D	GS	1D	-	2D	=	3D	M	4D	]	5D	m	6D	}	7D
SO	0E	RS	1E	.	2E	>	3EI	N	4E	^	5E	n	6E	~	7E
SI	0F	US	1F	/	2F	?	3F	O	4F	_	5F	o	6F	DEL	7F

SCAN

ENTER

SCAN

DEFAULT

SCAN

EXIT

SCANTEAM 1200, 1100 Series
Programming Menu

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To program Auxiliary Port communications parameters and protocol.
- Not applicable to the 1100.

selections	SCAN	variables	SCAN	SCAN
Baud Rate	I	150	A	
		300	B	
		600	C	
		1200	D	
		2400	E	
		4800	F	
		9600	G*	
		19200	H	
Parity	II	Mark	A	
		Space	B	
		Even	C*	
		Odd	D	
Word Length	III	8 Bits	A	
		7 Bits	B*	
Number of Stop Bits	IV	1	A*	
		2	B	
Preamble	V	Clear	A*	
		STX	B	
		Other ASCII	C	00-7F
Postamble	VI	Clear	A	
		ETX	B	
		CR	C*	
		LF	D*	
		Other ASCII	E	00-7F
Input Mode	VII	Non-Transparent	A*	
		Transparent	B	

NOTES
(1) * Designates DEFAULT settings.
(2) This menu page programs the characteristics of the Auxiliary Serial Port available only on the "Model 1200 Terminal".

For additional information regarding the use of the Welch Allyn 1500 and 1550 Network Controllers refer to the publications listed below.

SCANTEAM 1500 Programmable Network Controller
Publication Nos.: 11202733 REV. B
11203466-01 Lev 1

SCANTEAM 1550 Network Controller
Publication No.: 11204189-01

DISK: 31202077-04

AVAILABLE FROM:

Welch Allyn
Data Collection Division
Jordan Road
Skaneateles Falls, NY 13153-0187
Telephone (315) 685-8945

SCAN

ENTER

SCAN

DEFAULT

USE THIS PAGE
- To select the pre-programmed asterisked (*) values by scanning DEFAULT symbol.
- To set beeper volume and tone.
- To configure laser scanning.
- To enable time display and select time format.
- To set time and date.
- To obtain a status report.

selections	SCAN	variables	SCAN	SCAN
Beeper Volume (4)	I	Off/Low/Mid/High		0-3*
Beeper Tone (2)(4)	II			1-8
Laser-Scan Voting	III			Yes/No*
Laser-Scan Timeout	IV			*Yes/No
Output Buffer	* V			*Yes/No
Time Display	VI	Enable		Yes/No*
Time Format	VII	12 Hr Format	A	
		24 Hr Format	B	
Time Set (4)	VIII	AM	A	
		PM	B	
		Hours (3)		00-23
		Mins		00-59
		Secs		00-59
Date Set (4)	IX	Month		01-12
		Day		01-31
		Year		00-99
Status Report	X	Full Report	A	
		Network Controller	B	
		Firmware Level	C	
		Buffer Space (4) Available	D	

SCAN

EXIT

NOTES:
(1) * Designates DEFAULT selections.
(2) The DEFAULT Tone is No. 3.
(3) The AM/PM option and the hour parameters 01-12 are only selectable when the 12 hr. format is enabled.
(4) Not applicable to the 1100.

LASER SCAN VOTING

YES — Units will compare three (3) consecutive laser scans which result in valid decodes against each other. All three must be the same for a good read to occur.

NO — Only one (1) laser scan resulting in a valid decode is needed for a good read.

LASER SCAN TIMEOUT

YES — After approximately six (6) seconds the units will turn off any laser scanners connected to either scanner port.

NO — Power to device is never turned off.

OUTPUT BUFFER

YES — When Output Buffer is enabled, bar code data is queued in the output buffer. Scanning may continue until memory is filled (standard 1200 memory 8K, expandable to 72K)

NO — When Output Buffer is **not** enabled, only one (1) scanned bar code entry will be stored in the buffer. It will remain in the buffer until that data has been transmitted and the buffer is cleared. After data has been transmitted, scanning may resume.

TIME DISPLAY

ENABLE 'YES' — When selected, hours (HH) and minutes (MM) will appear right justified on the display. Format is HH:MM. Time is updated every minute.

STATUS REPORTING

FULL REPORT — This selection sends to the designated "Data Destination" (See Communications II menu page) all options on the Programming Menu. Refer to System Guide for individual status information.

NETWORK CONTROLLER — This report selection is available only when the 1200/1100 terminal is connected to a Welch Allyn 1500 Programmable Network Controller. When this report option is enabled, the Controller will transmit **its** programmed status out the computer port.

FIRMWARE LEVEL — When this report is requested, the terminal will send the level of resident firmware in the form (Part No. — Level X) to the specified "Data Destination".

BUFFER SPACE AVAILABLE — When this report is requested, the terminal will send the amount of available buffer space to the selected "Data Destination".

SCANTEAM 1200, 1100 Series
Programming Menu

USE THIS PAGE
■ To program a Welch Allyn ScanTeam 1500 Network Controller.

SCAN
ENTER

SCAN
DEFAULT

selections	SCAN	variables	SCAN	SCAN
Baud Rate	I	300	A	
		600	B	
		1200	C	
		2400	D	
		4800	E	
		9600	F	
Parity	II	Mark	A	
		Space	B	
		Even	C	
		Odd	D	
I/O Format	III	RS422	A	
		RS232C	B	
Controller ID	IV	Unassigned	A	
		Assigned	B	00-99
Preamble	V	STX	A	
		Controller ID	B	
		Code ID	C	
		SOH	D	
		None	E	
Postamble	VI	ETX	A	
		CR	B	
		LF	C	
		HT	D	
ACK/NAK Protocol	VII	Enable	A	
		Unframed (if enabled)	Yes/No	
		Disabled	B	
Intercharacter Delay	VIII	No	A	
		Yes	B	00-99
Go Live Mode	IX	Enable	A	
		Disable	B	

SCAN
EXIT

NOTE
This menu page allows programming the characteristics at the Host Port of Welch Allyn's Network Controller. A failure to beep indicates commands the Controller does not recognize within it's allowed menu sequence. In addition, "DEFAULT", "Escape" and "Status" have no meaning to the Network Controller; a status report from the Network Controller may be initiated using commands on TERMINAL CHARACTERISTICS menu page.

MAGNETIC STRIPE READER

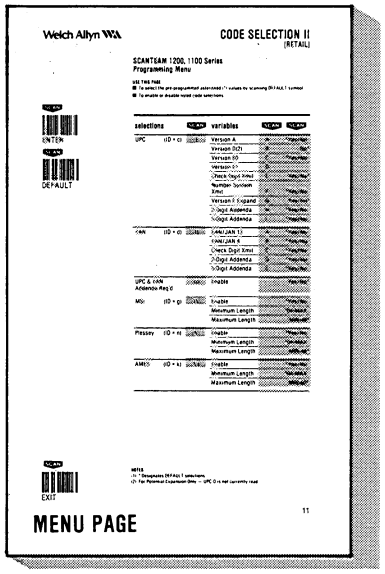
The SCANTEAM 1200/1100 accepts undecoded digital signals from magnetic stripe readers recorded in a format consistent with ANSII Specifications X4.16 - 1983.

These specifications can be obtained by contacting:

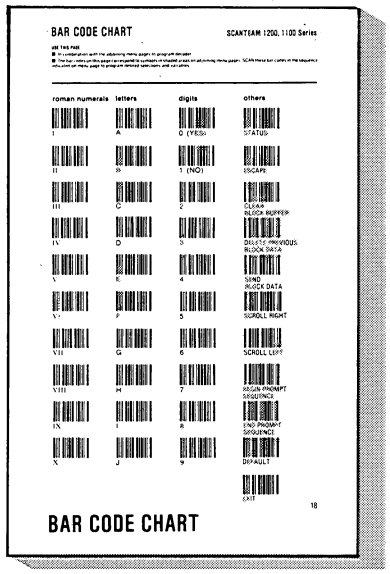
American National Standard Institute Inc.
1430 Broadway
New York, New York 10018

USE THIS PAGE

- As a general overview of the programming menu. The programming menu consists of two basic components as shown below.



MENU PAGE



BAR CODE CHART

MENU PAGE

- Each menu page represents one section of the programming menu. Use individual menu pages in combination with the adjoining bar code chart to program the decoder.

USE THIS PAGE — as a summary of the programming options of each menu page.

ENTER — Each menu page has its own unique ENTER bar code; scan this bar code to activate desired menu page.

DEFAULT — Most menu pages have a DEFAULT bar code which allows the user to independently default menu pages to astericked (*) values without affecting, in any way, the rest of the programming menu. Default values can be easily selected from desired menu pages by scanning the bar code sequence ENTER, DEFAULT, EXIT. Individual defaults for a specific selection can be made by scanning ENTER, ROMAN NUMERAL, DEFAULT, EXIT.

EXIT — To move from one menu page to another or when all programming is complete, scan the EXIT bar code. This bar code must be scanned to end selection on each menu page before starting selection of other menu pages.

SELECTION /VARIABLES — Lists all of the options available on each menu page. Following each option are symbols in shaded areas. These symbols correspond to bar codes on adjoining bar code chart.

NOTES — are provided to call-out any unusual situations and/or refer you to necessary information or examples elsewhere in the menu or manual.

MENU PAGE FACING (Not Shown)

- Use this side to supplement or clarify the material presented on the front of each menu page. The information and examples found here are specific to the individual menu pages and contain, in some cases, charts or diagrams that must be used in order to determine programming sequence.

BLOCK MODE CONTROL

- Use these bar codes to transmit or clear the Block Buffer.

BAR CODE CHART

- The bar codes on this page are assigned to a ROMAN NUMERAL, DIGIT, LETTER OR YES/NO symbol. These bar codes correspond to symbols in shaded areas on adjoining menu pages and are scanned in various combinations to enter programming sequences to decoder. Bar codes on this page are meaningless unless an ENTER bar code from one of the individual menu pages is scanned. When an ENTER bar code is scanned, the bar code chart becomes specific to that individual menu page and remains so until the EXIT bar code is scanned.

ESCAPE

- Use this bar code to cancel current programming sequence. All parameters remain as they were. Scan ESCAPE.

STATUS

- Use this bar code to get status of individual selections on pages. Status is always sent to "Data Destination" selection made on Communication Characteristics page. Scan: ENTER, ROMAN NUMERAL, STATUS, EXIT. Should a page of status information be desirable, Scan: ENTER, STATUS, EXIT.