

OPTICON

OPN2001 User Parameters

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There are no barcode changeable parameters in the OPN2001; they are only changeable by host command.

Parameter	Comments	Min/Max Values	Default	Param Num
Buzzer		1=Enable 0=Disable	Enabled	2 (0x02)
Reject Redundant Barcode	Disabling will allow same barcode to be stored consecutively. Mode 1 means that a code is allowed only if the previous code is not the same. Mode 2 means that a code is allowed only if none of the previous codes are the same.	2=Enable mode 2. 1=Enable mode 1. 0=Disable	Disabled	4 (0x04)
Low-Battery Indication	Determines how low battery condition will be handled.	0=No operation 1=Ignore low battery 2=Indicate, but laser stays off 3=Indicate, operate normal otherwise.	3	7 (0x07)
Code128		1=Enable 0=Disable	Enabled	8 (0x08)
UPC & EAN		1=Enable 0=Disable	Enabled	9 (0x09)
Host Connect Beep		1=Enable 0=Disable	Enabled	10 (0x0a)
Host Complete Beep		1=Enable 0=Disable	Enabled	11 (0x0b)
Auto Clear	Clear barcodes after upload.	1=Enable 0=Disable	Disabled	15 (0x0f)
Scanner On-Time		1 sec. – 10 sec. in 100 msec increments	30 (3.0 sec)	17 (0x11)
RSS code		0 = Disable 1 = RSS Limited 2 = RSS 14 4 = RSS Expanded (Options can be combined)	0	20 (0x14)
Good Decode LED On Time		250 ms. – 1 sec. in 250msec. Increments	4 (1.0 sec)	30 (0x1e)
Code 39		1=Enable 0=Disable	Enabled	31 (0x1f)
Delete Enable	Determines operation of the Delete key, the Clear All and Set All Default functions.	Bit 0 = Clear all Bit 1 = Delete key Bit 2 = Set all Default e.g. 5 = Clear all enabled, Set all Default enabled, Delete key disabled.	7 = Delete Enabled Clear All Enabled Set Default Enabled	33 (0x21)
Max Barcode Len		1 – 30	30	34 (0x22)
Store RTC timestamp	Store Real Time Clock data	1=Enable 0=Disable	Enabled	35 (0x23)

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UPCA Preamble		0=None 1=System char 2=System + country code	1 = System char	36 (0x24)
UPCE Preamble		0=None 1=System char 2=System + country code	1 = System char	37 (0x25)
Scratch Pad	A 32 byte storage area unused by the OPN2001. For customer use.	None	No Default Values	38 (0x26)
Convert UPCE to UPCA		1=Enable 0=Disable	Disabled	41 (0x29)
Convert EAN8 to EAN13	Add zero's but do not change the code type	1=Enable 0=Disable	Disabled	42 (0x2a)
Send UPCA Check Digit		1=Enable 0=Disable	Enabled	43 (0x2b)
Send UPCE Check Digit		1=Enable 0=Disable	Enabled	44 (0x2c)
Transmit Code 39 Check Digit		1=Enable 0=Disable	Disabled	45 (0x2d)
Code 39 Check Digit		1=Enable 0=Disable	Disabled	46 (0x2e)
UPC/EAN Addon redundancy	# of times to decode UPC/EAN barcode without addon.	2 – 20	2	48 (0x30)
EAN 128		1=Enable 0=Disable	Enabled	52 (0x34)
UPC Addon		0=No Addon 1=Addon Only 2=Both	2=Both	53 (0x35)
Code 39 Full ASCII		1=Enable 0=Disable	Disabled	54 (0x36)
Convert EAN8 to EAN13 Type	Add zero's and change code type to EAN13	1=Enable 0=Disable	Disabled	55 (0x37)
Industrial 2of5		1=Enable 0=Disable	Disabled	57 (0x39)
Interleaved 2of5		1=Enable 0=Disable	Enabled	58 (0x3A)
Interleaved 2of5 Length 1, Length 2	One Discrete Length Two Discrete Lengths Length Within Range Any Length	L1 = length, L2 = 0 L1 > L2 L1 < L2 L1 = 0, L2 = 0	L1 = 14 L2 = 0	59 (0x3B) 60 (0x3C)
Industrial 2of5 Length 1, Length 2	One Discrete Length Two Discrete Lengths Length Within Range Any Length	L1 = length, L2 = 0 L1 > L2 L1 < L2 L1 = 0, L2 = 0	L1 = 12 L2 = 0	61 (0x3D) 62 (0x3E)
Convert Interleaved 2of5 to EAN 13		1=Enable 0=Disable	Disabled	63 (0x3F)
Transmit Interleaved 2of5 Check Digit		1=Enable 0=Disable	Disabled	64 (0x40)
Interleaved 2of5 Check Digit		0=Disabled 1=Enable	Disabled	65 (0x41)
Beeper Toggle	Allows user to toggle beeper On/Off with the scan key	0 = No 1 = Yes	1	85 (0x55)
Beeper ON/OFF	Enables or disables the beeper.	0 = Beeper Off 1 = Beeper On	1	87 (0x57)