

Interleaved 2 of 5 Bar Code QwikTip™ (ASCII – limited version)

Interleaved 2 of 5 bar code is a high-density, self-checking, continuous numeric symbology. A complete Interleaved 2 of 5 symbol consist of the following bar patterns:

N	(Decimal 78 / Hex 4E)	narrow bar / narrow space
W	(Decimal 87 / Hex 57)	wide bar / wide space
n	(Decimal 110 / Hex 6E)	narrow bar / wide space
w	(Decimal 119 / Hex 77)	wide bar / narrow space

Note: The four alpha characters are used to represent the digits 0 through 9. Do not confuse the ASCII letters with the pattern descriptions, they are not the same. Interleaved 2 of 5 is used to print condensed symbols of paired sets of data. The entire string must contain an even number of digits. If an odd number of digits is present, a leading zero must be added to the beginning of the string.

Step 1: Break down the data into two digit pairs (starting with the first character in the data).

Data: 1 2 3 4 5 6
Paired Data: “12” “34” “56”

Step 2: Check the table below for the correct symbol pattern.

0	A	A	B	B	A
1	B	A	A	A	B
2	A	B	A	A	B
3	B	B	A	A	A
4	A	A	B	A	B
5	B	A	B	A	A
6	A	B	B	A	A
7	A	A	A	B	B
8	B	A	A	B	A
9	A	B	A	B	A

Find the character pattern for each character in each pair using the table above. Then combine the patterns for each pair to make five new pairs.

Example Pair = 34

Pattern for 3	B	B	A	A	A
Pattern for 4	A	A	B	A	B
New Pattern for 34	BA	BA	AB	AA	AB

You will need to correlate the new symbol patterns to Bar/Space patterns. The following table shows what the paired alpha character combinations are:

AB = N
BB = W
AA = n
BA = w
Start = <
Stop = >

All 5 positions must be done for each set of paired characters. The complete paired alpha character combinations for 34 are:

Pattern for 3	B	B	A	A	A
Pattern for 4	A	A	B	A	B
Alpha Value	w	w	N	n	N

Below is what the complete symbol should look like:

< w N n n W w w N n N w N W n n >

If you are not successful at encoding the Interleaved 2 of 5 bar code yourself, we offer billable assistance. An Architext Technical Support Agreement was provided to you. If you require our help, simply sign the agreement and fax it back to us.