

AzaleaQTools™

version 1.0 15sep00

AzaleaQTools is a collection of fonts that allows you to create bar codes from within your favorite applications, including databases, spreadsheets, word processors, and desktop publishing programs, as well as your own custom applications.

You can *not* simply type directly in the **AzaleaQTools** fonts and create a valid symbol. You *must* use the **AzaleaQTools** utility or the supplied sample code otherwise a bar code scanner won't recognize the bar code.

Only certain free or low-cost bar code scanners recently released in the market will scan the bar code symbols created by **AzaleaQTools**. Print this page and see if your recently released free or low-cost scanner will read the bar code below. If it does, then it will scan the bar codes created using **AzaleaQTools**.



The above bar code was created by formatting the string ! , B X K , (ASCII 33, 44, 66, 88, 75, 184) in the **AzaleaQTools** font used at 48 points. A recently released free or low-cost scanner will scan and decode the above in an encrypted form. When it is decrypted, the above bar code will decode as 123456.

The point size you use determines the height of the bars. If you format a string of text at 48 points, the bars will be 2/3" tall and if you format the same string at 72 points, the bars will be 1" tall.

This package comes with the following:

1. A bundle of TrueType, Type 1 and other fonts (./fonts)
2. Source code to embed in your own application (see the ./src directory)
3. A MSVC project file that creates a DLL (./src/msvc)
4. A Crystal Reports add-in (UFL) that calls the DLL (see ./src/cr_ufl)
5. A simple Microsoft Visual Basic application that calls the DLL (see ./src/win_util)
6. Compiled versions of the DLL, the UFL, and the sample VB app (see ./windows)

Windows Users:

1. To use the compiled Visual Basic utility, the Visual Basic ver 6 runtimes must be installed. They are freely available on the net.
2. Copy the AZQTOLS.EXE to a folder on your hard drive.
3. Copy AZQTOOLS.DLL into \WINDOW\SYSTEM (or \WINNT\SYSTEM32 for NT)
4. Install the True Type font using the Font Control Panel

Linux/*NIX Users:

In the root directory, just type:

```
make; make install
```

This will add the qtools executable to /usr/local/bin called. To run the program, type:
`qtools 10134` This will create the output a string to be formatted in the **AzaleaQTools** font.

Crystal Reports Users:

1. Copy AZQTOOLS.DLL into \WINDOW\SYSTEM (or \WINNT\SYSTEM32 for NT)
2. Copy U2LQTOOL.DLL into your C:\WINDOWS\CRYSTAL folder
3. Install the True Type font using the Font Control Panel
4. Refer to our website for a step by step guide to calling this function from Crystal Reports (www.azalea.com/UFL). Note that the filenames and function names will be slightly different. The function for Install the True Type font using the Font Control Panel is AzaleaQTools()

AzaleaQTools character

Font assignment	ASCII value	AzaleaQTools character	Font assignment	ASCII value	AzaleaQTools character
194	32	00	84	84	52
33	33	01 (start bar)	85	85	53
34	34	02	86	86	54
35	35	03	87	87	55
36	36	04	88	88	56
37	37	05	89	89	57
38	38	06	90	90	58
39	39	07	91	91	59
40	40	08	92	92	60
41	41	09	93	93	61
42	42	10	94	94	62
43	43	11	95	95	63
44	44	12	96	0	64
45	45	13	97	1	65
46	46	14	98	2	66
47	47	15	99	3	67
48	48	16	100	4	68
49	49	17	101	5	69
50	50	18	102	6	70
51	51	19	103	7	71
52	52	20	104	8	72
53	53	21	105	9	73
54	54	22	106	10	74
55	55	23	107	11	75
56	56	24	108	12	76
57	57	25	109	13	77
58	58	26	110	14	78
59	59	27	111	15	79
60	60	28	112	16	80
61	61	29	113	17	81
62	62	30	114	18	82
63	63	31	115	19	83
64	64	32	116	20	84
65	65	33	117	21	85
66	66	34	118	22	86
67	67	35	119	23	87
68	68	36	120	24	88
69	69	37	121	25	89
70	70	38	122	26	90
71	71	39	123	27	91
72	72	40	124	28	92
73	73	41	125	29	93
74	74	42	185	30	94
75	75	43	186	31	95
76	76	44	187		96
77	77	45	188		97
78	78	46	189		98
79	79	47	190		99
80	80	48	191		Code B
81	81	49	192		Code A
82	82	50	193		FNC 1
83	83	51	183		Stop

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Please share your feedback, sample code, and results with us so that we can improve **AzaleaQTools**.

To learn more about bar codes and OCR in general, please read our Bar Codes FAQ. A copy is available on www.azalea.com.

Azalea Software is the premier bar code and OCR software company. We sell fonts and other related software that create a number of different bar codes including PDF417, Code 128, Code 39, UPC, EAN, Interleaved 2 of 5, and other symbologies. For more information, please visit our web site or contact us.

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