Laser Engine Setting Code V1R4

# Reading Setting

## Trigger Mode

|  |  |  |
| --- | --- | --- |
| 013300**\***Default Mode(Hold Key Scan) | 013301Single Trigger | 013302Key Delay Mode |
| 013303Key Delay  | 013304Laser Normally On for Auto Scan | 013305Flicker Auto Scan |

The \* means default setting.

## Same Code Detect Setting

|  |  |  |
| --- | --- | --- |
| http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=%25%23ENCHK&thickness=20&start=NULL&code=BCGcode128Enable Same Code Detect | http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=%25%23NOCHK&thickness=20&start=NULL&code=BCGcode128**\***Disable Same Code Detect |  |
| http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=%25%23RFSET&thickness=20&start=NULL&code=BCGcode128Enter interval Time Setting |  | http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATO%23&thickness=20&start=NULL&code=BCGcode128Save&Exit interval Time Setting |
| http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATS132=192%23&thickness=20&start=NULL&code=BCGcode128**\***Interval Time=6s | http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATS132=165%23&thickness=20&start=NULL&code=BCGcode128Interval Time=5s | http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATS132=135%23&thickness=20&start=NULL&code=BCGcode128Interval Time=4s |
| http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATS132=105%23&thickness=20&start=NULL&code=BCGcode128Interval Time=3s | http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATS132=70%23&thickness=20&start=NULL&code=BCGcode128Interval Time=2s | http://t.ashiyue.com/img/barcodegen/html/image.php?filetype=PNG&dpi=300&scale=2&rotation=0&font_family=Arial.ttf&font_size=8&text=ATS132=32%23&thickness=20&start=NULL&code=BCGcode128Interval Time=1s |

Note: Scanner detect continuous same code in the setting time, upload the first code and beep error.

## Inverse Color Code Scan Setting

|  |  |
| --- | --- |
| **\***Disable Inverse Color Code Scan | Enable Inverse Color Code Scan |

# Data Edit

## Data Send Format

【Code String Prefix】+【Prefix】+【Code ID】+【Code Data】+【Suffix】+【Code ID】+【Code Type】+【Code String Suffix】+【Code String End Synchronization Suffix】.

Code String Add Method： Add:“020200**TCC**0$xx$xx…”; Cancel：” 0B20200**TCC**”.

‘**T**’ Code String Type: 1 Suffix，2 Prefix，3 End Synchronization Suffix; ‘**CC**’ Valid Code Type: 00/01 All，02~19Designation， Barcode Type Code (Appendix A); ‘xx’ ASCII value(Appendix B)，Up To 14 Values.

## Ending Code Setting

|  |  |  |
| --- | --- | --- |
| 0202011000$0D**\***Add suffix CR | 0202011000$0AAdd suffix LF | 0202011000$0D$0AAdd suffix CR&LF |
| 0202011000$09Add suffix TAB | 0B20201Cancel suffix |  |

## Code IDSetting

|  |  |
| --- | --- |
| 01400**\***Disable Code ID prefix | 01401Enable Code ID prefix |
| 0B140**\***Disable Code ID suffix | 01402Enable Code ID suffix |
| **\***Disable Code type suffix | Enable Code type suffix |

 Note： Details of Code ID, see attach table A.

## Up-case and Lower-case Change Setting

|  |  |  |
| --- | --- | --- |
|  **\***Normal | (a->A)Up-case | (A->a)Lower-case |

## Add Prefix and Suffix

|  |  |  |
| --- | --- | --- |
| Add Prefix | Add Suffix |  |

Operation method: 1. Scan to increase the pre/suffix setting code (this step will clear the previously set pre/suffix);

## Scan the characters that need to be added, up to 32 characters (see Appendix B for ASCII characters).

## Hide Char

|  |  |  |
| --- | --- | --- |
| Hide front n chars | Hide behind n chars | Hide the n-th char |

#  Operation method: Same as before/after suffix, where n ranges from $00 to $20.

# Code Parameter Setting

## EAN-8

|  |  |
| --- | --- |
| 00371EnableEAN-8**\*** | 00370DisableEAN-8 |
| 00451EAN-8 **\***Upload Country Code | 00450EAN-8 Hide Country Code |
| 00471EAN-8 **\***Upload Verify bit | 00470EAN-8 Hide Verify bit |

## EAN-13

|  |  |
| --- | --- |
| 00361Enable EAN-13**\*** | 00360DisableEAN-13 |
| 00481Enable EAN-13 Convert to ISBN | 00480DisableEAN-13 Convert to ISBN**\*** |
| 01501Enable EAN-13 Convert to ISSN | 01500DisableEAN-13 Convert to ISSN**\*** |
| 00461EAN-13 Upload Verify bit**\*** | 00460EAN-13 Hide Verify bit |
| 00441EAN-13 Upload Country Code**\*** | 00440EAN-13 Hide Country Code |
| 00541Enable UPC/EAN Multiple Verification | 00540Disable UPC/EAN Multiple Verification**\*** |

## UPC-A

|  |  |
| --- | --- |
| 00341Enable UPC-A**\*** | 00340Disable UPC-A |
| 00391Enable UPC-A Convert toEAN-13 | 00390Disable UPC-A Convert toEAN-13**\*** |
| 00421UPCA Upload Verify bit**\*** | 00420UPCA Hide Verify bit |
| 00401UPCA Upload system bit**\*** | 00400UPCA Hide system bit |

## UPC-E

|  |  |
| --- | --- |
| 00351Enable UPC-E**\*** | 00350Disable UPC-E |
| 00411UPCE Upload system bit**\*** | 00410UPCEHide system bit |
| 00431UPCE Upload Verify bit**\*** | 00430UPCE Hide Verify bit |
| 00381Enable UPC-E Convert to UPC-A | 00380Disable UPC-E Convert to UPC-A**\*** |

## UPC/EAN Supplemental

|  |  |  |
| --- | --- | --- |
| 00550 UPC/EAN**\***Disable Supplemental | 00551UPC/EAN2-digit Supplemental | 00552UPC/EAN5-digit Supplemental |
| 00553UPC/EAN2-digit or 5-digit Supplemental | Enable UPC/EANForcible Supplemental |  UPC/EAN\*Disable Forcible Supplemental |

## CODABAR CODE

|  |  |
| --- | --- |
| 00851Enable CODABAR**\*** | 00850Disable CODABAR |
| 00861Enable CODABAR Upload Start/Stop | 00860Disable CODABAR Upload Start/Stop**\*** |
| 00951Enable CODABAR Multiple Verification | 00950Disable CODABAR Multiple Verification**\*** |

## Code11

|  |  |
| --- | --- |
| 01261Enable CODE 11**\*** | 01260Disable CODE 11 |
| 01321Enable CODE11Multiple Verification | 01320Disable CODE11Multiple Verification**\*** |

## Code39

|  |  |
| --- | --- |
| 00221Enable CODE 39**\*** | 00220Disable CODE 39 |
| 00231Enable FULL ASCII**\*** | 00230Disable FULL ASCII |
| 00241Enable MOD43 Verify bit of CODE39 | 00240Disable MOD43 Verify bit of CODE39**\*** |
| 00251Enable CODE39 Upload Verify bit**\*** | 00250Disable CODE39 Upload Verify bit |
| 00281Enable CODE39 Upload Start/Stop | 00280Disable CODE39 Upload Start/Stop**\*** |
| 00331Enable CODE39 Multiple Verification | 00330Disable CODE39 Multiple Verification**\*** |
| 00261Enable CODE39 turn CODE 32 | 00260Disable CODE39 turn CODE 32**\*** |

## Code93

|  |  |
| --- | --- |
| 00621Enable CODE 93**\*** | 00620Disable CODE 93 |
| 00681Enable CODE93 Multiple Verification | 00680Disable CODE93 Multiple Verification**\*** |

## Code128

|  |  |
| --- | --- |
| 00691Enable CODE 128**\*** | 00690Disable CODE 128 |
| 00841Enable CODE128 Multiple Verification | 00840Disable CODE128 Multiple Verification**\*** |

## GS1 Databar

|  |  |
| --- | --- |
| 01671Enable GS1 Omnidirectional**\*** | 01670Disable GS1 Omnidirectional |
| 01771Enable GS1 Limited**\*** | 01770Disable GS1 Limited |
| Enable GS1 Expanded | Disable GS1 Expanded**\*** |

## Cross 25 Yards

|  |  |
| --- | --- |
| 00961Enable Cross 25 Yards**\*** | 00960Disable Cross 25 Yards |
| 01051Enable Cross 25 Yards Multiple Verification | 01050Disable Cross 25 Yards Multiple Verification**\*** |

## Industrial 25 Yards

|  |  |
| --- | --- |
| 01061Enable Industrial 25 Yards**\*** | 01060Disable Industrial 25 Yards |
| 01141Enable Industrial 25 Yards Multiple Verification | 01140Disable Industrial 25 Yards Multiple Verification**\*** |

## Matrix 25 Yards

|  |  |
| --- | --- |
| 01461Enable Matrix 25 yards | 01460Disable Matrix 25 yards**\*** |

## China Post Code

|  |  |
| --- | --- |
| 01571Enable China Post Code | 01570Disable China Post Code**\*** |

## MSI

|  |  |
| --- | --- |
| 01151Enable MSI Code**\*** | 01150Disable MSI Code |
| 01251Enable MSI Multiple Verification | 01250Disable MSI Multiple Verification**\*** |

# Appendix A. Code ID table

|  |  |  |  |
| --- | --- | --- | --- |
| **Serial Number** | **Code ID Code** | **Code Type Code (Used By Prefix And Suffix)** | **Code Type** |
| 1 |  | 00/01 | All Code |
| 2 | A | 02 | CODE 128 |
| 3 | C | 03 | EAN 8 |
| 4 | D | 04 | EAN 13 |
| 5 | D | 05 | ISBN |
| 6 | E | 06 | UPC-A |
| 7 | F | 07 | UPC-E |
| 8 | I | 08 | CODE 93 |
| 9 | J | 09 | GS1 Omnidirectional |
| 10 | K | 10 | GS1 Limited |
| 11 | L | 11 | GS1 Expanded |
| 12 | M | 12 | CODE 39 |
| 13 | N | 13 | Interleaved 2 of 5 |
| 14 | O | 14 | Industrial 2 of 5 |
| 15 | P | 15 | China post |
| 16 | Q | 16 | Matrix 2 of 5 |
| 17 | S | 17 | MSI |
| 18 | U | 18 | CODE 11 |
| 19 | V | 19 | Codebar |

# Appendix B. ASCII table

$00~$C0:

