

Intelletto RTI Keyboard Driver.

This driver is for the Intelletto SE100-U Ethernet to Keyboard HID interface.

It allows you to control a PC from RTI sending many of the commonly used keyboard commands and also many keyboard shortcuts such as CTRL + S for save.

Configuration

Connect the SE100-U to the USB port of your PC. The device is powered from the USB port so if there is no power on the USB, the device will not be able to communicate via ethernet.

Find the SE100-U on the network. The device is set to DHCP out of the box. This can be changed by browsing to the IP address of the unit. If no DHCP is present, then it defaults to 192.168.0.19.

Browse to the SE100-U and set the option for TCP Server. Also change the local port if you need to. By default, the port is 4000 and this will work fine unless you have conflicts with other drivers or devices on your network.

You can choose to turn off the beep if desired, but it can be useful for setting up the system.

Add the user licence to the driver configuration.

In the RTI driver set the IP address to match that of the SE100-U. Set the port number to match the local port of the SE100-U. Leave the remote port and IP address at their defaults.

Either copy the keyboard layout from the file included with this driver or create your own. All the keys are tagged to make life easy. If you use the tags as listed below the driver will auto program all the functions and variables.

The example file is for a UK keyboard layout. The keys will work the same for US but you will need to change the '3' button from '£/3' to '#/3'. The # key will become backslash in the US but use the same tag name.

Tag List:

Letters A to Z	KP_A to KP_Z
Numbers 1 to 0 on main Keypad	KP_1 to KP_0
Specials and symbols	
Enter	Enter
Shift	KP_SHIFT
Delete	KP_DELETE
Space	KP_SPACE
Tab	KP_TAB
Escape	KP_ESCAPE
Back	KP_BACK
Control	KP_CTRL
Alt	KP_ALT
-	KP_DASH
=	KP_EQUALS
[KP_OPENSQUARE
]	KP_CLOSESQUARE
;	KP_SEMICOLON
'	KP_SINGLEQUOTE
#	KP_HASH
,	KP_COMMA
.	KP_DOT
/	KP_FORWARDSLASH
\	KP_BACKSLASH
Print screen	KP_PRINTSCREEN

Scroll Lock	KP_SCROLLLOCK
Windows Key	KP_WINDOWS
Cursor keys and navigation	
Up	KP_UP
Down	KP_DOWN
Left	KP_LEFT
Right	KP_RIGHT
Page Up	KP_PAGEUP
Page Down	KP_PAGEDOWN
Home	KP_HOME
End	KP_END
Insert	KP_INSERT
Numeric keypad keys	
1 to 0 on numeric keypad	NUM_1 to NUM_0
Num Lock	NUM_NUMLOCK
/	NUM_FORWARDSLASH
*	NUM_MULTIPLY
-	NUM_MINUS
+	NUM_PLUS
Enter	NUM_ENTER
.	NUM_DOT
Function Keys F1 to F23	KP_F1 to KP_F23

Non Keyboard functions allow you to build macros to send out keyboard shortcuts or entire messages. You can build your own keyboard shortcuts to work with whatever software package you are using. These can be considered like discrete power IR codes where you don't have feedback of the status of the Shift, CTRL or Alt keys. They will force the keys to be on or off, regardless of their current state. For example, in MS Notepad, the shortcut for new document is Ctrl+Shift+N. you can do this by building a macro with the 'Ctrl On' command, Shift On' command and the letter N.

Non Keyboard functions:

Shift On, Shift Off, CTRL On, CTRL Off, Alt On and ALT Off.

MS Teams commands.

A bunch of MS Teams shortcuts are provided to simplify navigation and control of Teams calls.

Windows

Some common Windows shortcuts to simplify navigation and control.

Send Text

This command allows you to send a complete string of characters. This could be used for a password or for a commonly used email address.