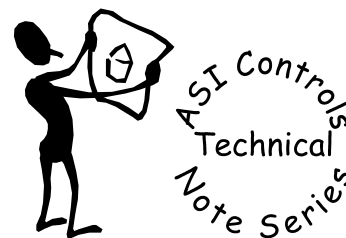




## ASIC/2-7540 USB Modem

Affects: ASIC/2-7540

Date: 1 March 2006

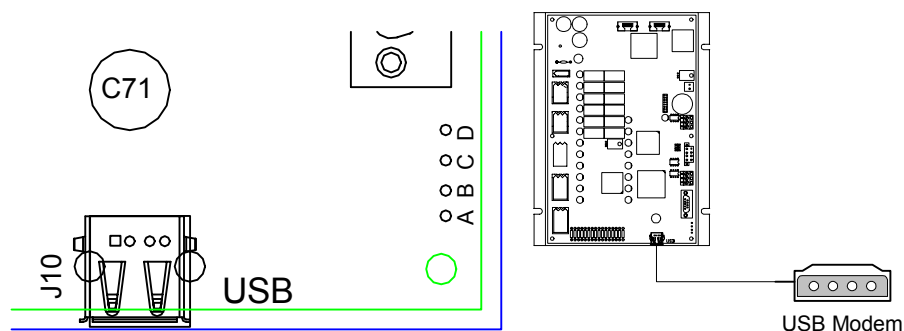


Note No. TE-032

### USB Modem Devices

The ASIC/2-7540 has a USB Host port that allows the controller to communicate with certain USB Devices. The USB device communicates directly to the ASIC/2-7540 independent of the System or Local RS-485 busses. The ASIC/2-7540 does NOT support ASI message pass-through from the USB device to the System or Local busses.

**CAUTION:** Do Not HOT SWAP USB Devices! It can result in reset of the controller, and in some cases loss of configuration memory.



The USB Modem device is configured in the Dial Manager and is enabled by setting the USB Modem Enable parameter in the System Object. It must be enabled for the Modem to answer incoming calls.

The ASIC/2-7540 FW754a1.3 and later supports specific USB Ethernet Devices. On reset of power, the controller detects the presence of a USB Device. It can autodetect specific USB devices:

USB Ethernet Device: Hawking HUF11, Hawking HUF2, LinkSYS USB100M

USB Modem: Best Data 56USB-P

Other Devices may work, but are not guaranteed: You may tell the controller to assume a specific device type by setting the parameter USB Device Type; 0=Autodetect, 1=Ethernet, 2=Modem, 3=Memory

The status of the USB Devices is shown on the IP Config view of the system object parameter view screen, A2-SYS.pvs

USB Ethernet Device:	0
USB Modem Device:	1
USB Memory Device:	0
USB Device Type:	0

0=Autodetect, 1=Ethernet, 2=Modem, 3=Memory

USB Modem Enable: ☒ Yes

To Dial In or Dial-out with the USB Modem, USB Modem Enable must be "Yes".

If USB Modem Enable is no then the USB Modem is ignored.

## Modem Initialization

The Modem Initialization string must be configured in each Dial Manager Object.

Dialing Status | **Logical Setup** | Diagnostics

Instance Name: **DIL-01 Switch**

Event Label: **DIL-01 Switch**

Dial Group Number: **17**

Enhanced! FW >= 740E/840E 300B, 7540

☒ Yes Trigger Handle: **INP-08-00-WD\_VAL**

☐ No Trigger Handle Name: **INP-08 Switch**

☐ No Gate Handle: **NONE 00-00-00-00**

☐ No Gate Handle Name: **NONE**

☐ No Data Handle: **NONE 00-00-00-00**

☐ No Data Handle Name: **NONE**

☐ No Message Handle: **NONE 00-00-00-00**

☐ No Message Handle Name: **NONE**

☒ Yes Initialize String: **&f&k0&d0&s0=1e0&w0**

Dial Manager Type: **Logical**

Dial Priority: **17**

Do Not Dial: ☐ No

You must configure the dial manager to send the Initialization string when it dials. .

For the Best Data 56USBP Modem the string is "&f&k0&d0&s0=1e0&w0" where

Description	Command	Effect
Start from default setting then:	AT&F	FACTORY DEFAULT <b>ALWAYS First</b>
Set flow control to OFF	AT&K0	NO FLOW CONTROL
Set DTR to be forced ON	AT&D0	FORCE ON DTR
Set Auto Answer ON	ATS0=1	AUTO ANSWER
Set echo OFF	ATE0	Does not echo commands
WRITE PROFILE	AT&W0	Store the profile.0

Note: The Best Data 56USBP modem does not save its configuration through power reset.

If you have any further questions please contact: ASI Controls Technical Support  
[support@asicontrols.com](mailto:support@asicontrols.com), or call 925-866-8808