

LINK MC5 TERMINAL AND OKIDATA PRINTER SETUP FOR GASBOY FUEL MANAGEMENT SYSTEMS

These sheets describe the Setup parameters for the Link MC5 terminal and the printer switch settings for the Okidata 184 printer when connected to a GASBOY Series 1000, Series 900 TopKAT, CFN, or "A" Fuel Management System. This document is not intended to be a complete reference for the Link terminal. Parameter screens shown are as current as possible; however, interim software changes by Link may result in minor variations.

Link MC5 Terminal Setup

Install and complete the setup of the terminal as specified in the manufacturer's setup instructions. Then you'll need to enter the Setup Mode and change parameters on five screens. This enables the terminal to function properly with both the Okidata printer and your GASBOY Fuel Management System.

When setting up the terminal, use the following keys as needed.

SHIFT and SELECT	Used together to enter Setup Mode.
Up/Down Arrows	Move to a menu item.
Left/Right Arrows	Change values for parameter.
TAB	Move to next column.
PAGE DOWN/UP	Move to next or previous screen.
F1 to F8	Select specific screens from 1 to 8.
E or F9	Exit Setup Mode.
S	Save current values.
P	Toggle between Main and Aux ports.
D	Defaults all values.
R	Restores values to previously saved settings.

In the steps that follow, setup parameters shown in bold are non-critical and can be configured to your preference.

1. Press CAPS LOCK to activate the caps lock feature. **CAPS** will appear in the upper lefthand corner of the status line.
2. Enter Setup Mode by pressing SHIFT and SELECT. Be careful not to press CTRL and SELECT. Doing so switches terminal control to Aux. If you find yourself in Aux mode, CTRL and SELECT will return you to Main mode. The first Setup Screen, General Setup displays:

Important: Before you begin to change parameters, check to be sure the message **HOST IS ON MAIN PORT** is displayed. If the message reads **HOST IS ON AUX PORT**, press **P** to select the Main port configuration.

General Setup			
Emulation	See Note	Auto Page	Off
Enhancements	Off	Warning Bell	On
Virtual Terminal	Off	Margin Bell	Off
Scroll Style	Jump	Bell Sound	1
Auto Scroll	On	Block Terminator	US/CR
Auto Wrap	On	Send ACK	Off
Received CR	CR	Monitor Mode	Off

NOTE: The **Emulation** parameter is set to **VT220-7** for Series 1000, FleetKey, TopKAT and "A" systems and is set to **VT52** for CFN Series systems.

3. Press F2 or PAGE DOWN to display the next Setup Screen, Communications Setup.

Communications Setup			
Main Baud	9600	Aux Baud	9600
Main Data/Parity	8/None	Aux Data/Parity	8/None
Main Stop Bits	1	Aux Stop Bits	1
Main Rcv Hndsk	XON/XOFF	Aux Rcv Hndsk	NONE
Main Xmt Hndsk	NONE	Aux Xmt Hndsk	XON/XOFF
Main Rcv Level	50%	Aux Rcv Level	50%
Ignore 8th Bit	Off	Aux Port	RS232
Comm Mode	Full Duplex	Aux Interface	RS232
Disconnect	2 Sec	Printer	Serial

NOTE: Series 1000 software prior to version 8.1, FleetKey software prior to version 2.1, and "A" System software does not support XON/XOFF protocol. In these cases, set the **Main Rcv Hndsk**, **Main Xmt Hndsk**, **Aux Rcv Hndsk** and **Aux Xmt Hndsk** parameters to **NONE** and set the **Main Baud** parameter to 1200 and **Aux Baud** parameter to 9600. For "A" Systems, set **Main Data/Parity** to **7/Even** and set **Main Stop Bits** to **2**.

4. Press F3 or PAGE DOWN to display the next Setup Screen, Display Setup.

Display Setup			
Columns	132	Background	Dark
80/132 Clear	On	Attributes	Char
Lines	24	Wprt Intensity	Dim
Pages	1X Lines	Wprt Reverse	Off
Status Line	Ext	Wprt Underline	Off
Cursor Style	Blink Block	Refresh Rate	60Hz
Cursor	On	Pound Char	US
Screen Saver	15 Min	Auto Font Load	On

NOTE: The **Columns** setting of 132 may be changed to 80 if desired; however, this may cause transactions displayed on the screen (and on the Okidata printer) to wrap, hindering readability.

5. Press F4 or PAGE DOWN to display the next Setup Screen, Keyboard Setup.

Keyboard Setup			
Key Click	Off	Break	250 ms
Key Repeat	On	Xmt Limit	None
Key Lock	Caps	FKey Xmt Limit	None
Return Key	CR	Key Code	ASCII
Enter Key	CR	WP Keyboard Mode	Off
Back Space Key	See Note	Lock Keyboard	Disable
Left Alt Key	Funct	Language	US
Delete Key	Normal		

NOTE: The **Back Space Key** parameter is set to **DEL/BS** for Series 1000 and "A" Systems and to **BS/DEL** for CFN Series Systems and Series 900 TopKAT Systems.

6. Press F5 or PAGE DOWN to display the next Setup Screen, ANSI Setup.

ANSI Setup			
FKey Lock	Off	Send	All
Feature Lock	Off	Print	National
Keypad	Numeric	Send Area	Screen
Cursor Keys	Normal	Print Area	Screen
Xfer Term	EOS	Send Term	None
Char Mode	Multinational	Print Term	None
Char Set	DEC-MCS	Print Mode	See Step 7
Keys	Typewriter	Auto Answerback	Off
VT100 ID	VT 100		

7. Set the **Print Mode** parameter as specified below. Be sure to use the correct parameter setting for your software version.

- If you have a Site Controller I, Site Controller II* below version 1.0F, Series 1000, TopKAT or "A" System, the **PRINT MODE** parameter must be set to **AUTO**. In **AUTO**, the Okidata printer will act as a logger and will also print everything done in command mode. To temporarily suspend output to the printer, press CTRL, SHIFT, and PRINT SCREEN simultaneously (the message line at the top of the CRT screen will toggle between **FDX>MAIN** and **FDX>AUX** when these keys are pressed). Press CTRL, SHIFT, and PRINT SCREEN simultaneously to resume output to the printer.
- If you have a Site Controller II* version 1.0F or above, you may set the **PRINT MODE** parameter to **NORMAL** and configure the **DIRECT PRINTOUT CHANNEL** in **SYS_PAR** to **AUX-0**. This parameter combination sends the direct printout to the Okidata logger and it is not seen on the CRT screen. Any commands done at the CRT will not be logged unless either output is directed to the logger (using **>log** with the command) or if you press CTRL, SHIFT, and PRINT SCREEN simultaneously to toggle the Main port output to the logger (the message line at the top of the CRT screen will toggle between **FDX MAIN** and **FDX>AUX** when these keys are pressed).

* *If the Okidata printer is connected directly to the Site Controller II, set the **Print Mode** parameter to **Normal** and consult the Site Controller II Installation Manual for proper connection (RS-232).*

8. Press **S** to save Setup changes.

9. Press F9 or **E** to exit Setup Mode.

Okidata 184 Setup

To prepare the Okidata printer for operation with the LINK MC5 terminal and your GASBOY Fuel Management System, perform the following steps. Install and complete the setup of the printer as specified in the manufacturer's setup instructions. Then set up the switches as follows:

SW1-1 to SW1-8

SW1	SET	Function
SW1-1	ON	Parity: Odd
SW1-2	ON	Parity: Without
SW1-3	ON	Data bits: 8
SW1-4	OFF	Protocol: XON/XOFF (Series 1000 V8.1 or higher, FleetKey V2.1 or higher, CFN, or TopKAT)
	ON	Protocol: Ready/Busy (Series 1000 versions prior to V8.1, FleetKey versions prior to V2.1, and "A" Systems)
SW1-5	ON	Test select: Circuit
SW1-6	ON	Mode select: Print
SW1-7	ON	Busy line selection: DTR - Pin 20
SW1-8	ON	Busy line selection: DTR - Pin 20

SW2-1 to SW2-3

Baud Rate	SW2-1	SW2-2	SW2-3
9600	OFF	ON	ON
2400	OFF	OFF	ON
1200	ON	ON	OFF
300	ON	OFF	OFF

*NOTE: Any change made to the baud rate must also be changed on the Link terminal Communications Setup screen, **Aux Baud** parameter.*

SW2-4 to SW2-8

SW2	SET	Function
SW2-4	ON	DSR output signal: Active
SW2-5	ON	Buffer threshold: 32 bytes
SW2-6	OFF	Busy signal timing: 1 sec (min.)
SW2-7	ON	DTR signal: Space after power on
SW2-8	OFF	Not used

1. Turn the printer offline by pressing SELECT. The SELECT light should go off.
2. Position the print head at the top of the paper and press the TOF SET button.
3. Put the printer back online by pressing SELECT. The SELECT light should go on.
4. Press the MODE button until the light next to **HSD** is lit.
5. Press the PITCH button until the light next to **17** is lit.

NOTE: Pitch may be set to a lower number (resulting in larger print) if transactions are less than 80 characters.