



Logicomm Messages

47919602 Rev. A

Introduction

The purpose of this document is to inform the user how and when to use Logicomm in IM-UPS software. Every machine is shipped to the customer with Logicomm software on the machine hard disk and a Logicomm cable. Logicomm allows the user to read machine messages, bus errors, motion faults, and use the hard drive/floppy drive to save, edit and transmit the data. Logicomm is also able to read a buffer of machine events, as long as the Logicomm cable is connected to collect the data. The buffer function will collect approximately 20 to 30 pages of data. The machine will then start deleting first in data to make space for more data.

When troubleshooting a machine, Universal Instruments Technical Support may ask a Field Engineer or a Customer Specialist to use specific Logicomm procedures so more detailed messages can be communicated to the Technical Specialist. The Technical Specialist may then be able to determine the problem and find a solution.

Using Logicomm

Logicomm is used when the machine software stops the machine for an unknown reason and the data in the Current Message window is insufficient or not available. Logicomm is used in the following situations:

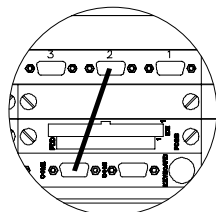
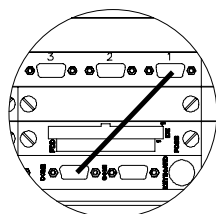
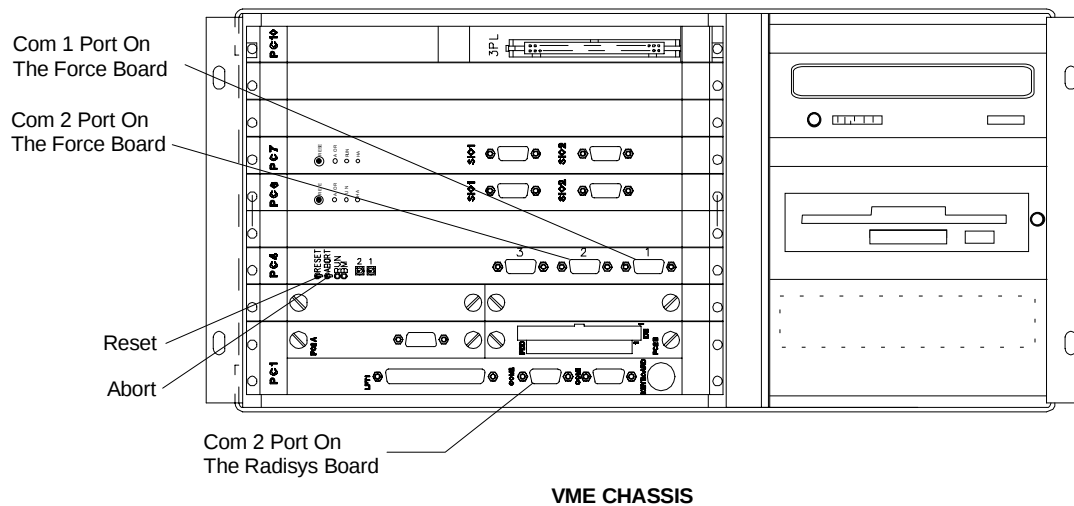
- There is an intermittent software problem during production.
- There is a consistent software hang condition at a specific point during production.
- The software hangs during initialization.

Logicomm Cable

The Logicomm cable must be connected properly so Logicomm can communicate with the machine. Procedures throughout this manual indicate when and how to connect the Logicomm cable.

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- Sending commands to the machine: Connect the Logicomm cable from Com 2 on the Radisys™ Board to Com 1 on the Force Board.
- Receiving data from the machine: Connect the Logicomm cable from Com 2 on the Radisys Board to Com 2 on the Force Board.

When to use Logicomm in Normal Mode

In Normal Mode, Logicomm messages are usually more detailed than the messages in the Current Messages window in IM-UPS. Use Logicomm in Normal Mode when troubleshooting a machine problem and the data in the Current Messages window is not detailed enough.

NOTE

Logicomm starts in Normal Mode.

Opening the Logicomm Window

Logicomm is automatically started when the machine is power cycled. Use the following procedure to open a Logicomm window:

1. Push the [Ctrl+Esc] keys. The window list is displayed.
2. Double click on **LOGICOMM**.

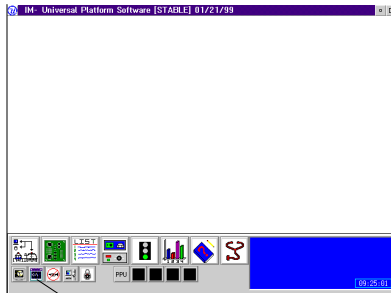
NOTE

If LOGICOMM is not in the window list, refer to the *Starting Logicom* topic later in this module.

Starting Logicom

Use one of these procedures when LOGICOMM is not found in the window list. This means that for some reason Logicom is not running.

If the IM-UPS main screen is displayed:



OS/2 Window Icon

1. Select the OS/2® Window Icon at the lower left corner of the screen.
An OS/2 window is displayed.
2. At the C:\IMUPS\EXE prompt, type: `cd ..\logicom`. Push [Enter].
3. At the C:\IMUPS\LOGICOMM prompt, type: `logicom`.
4. Push [Enter] several times until the `mcShell >` prompt is displayed.

NOTE

If the Logicom window does not come to the foreground after [Enter] is pushed, push the [Ctrl+Esc] keys. The window list is displayed. Double-click on LOGICOMM.

NOTE

When using this method to start Logicom, the window in which Logicom is running is labelled CMD.EXE instead of LOGICOMM or LOGICOMM.EXE.

If the IM-UPS is running but is minimized (not displayed):



OS/2 Window Icon

1. Push [Ctrl+Esc] to display the window list.
2. Select **LaunchPad-Palette**. The OS/2 Launch Pad is displayed.
3. Select the OS/2 Window Icon.
An OS/2 window is displayed.
4. At the C:\ prompt, type: `cd\imups\logicom`. Push [Enter].
5. At the C:\IMUPS\LOGICOMM prompt, type: `logicom`.
6. Push [Enter] several times until a blank screen is displayed.

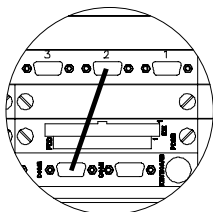
Navigating Within Logicomm

As the machine operates, Logicomm data is written to the screen. As the screen fills, the data scrolls from the bottom of the screen. To move around within the Logicomm display, use this procedure.

Prerequisites:

- Logicomm is running.
- Logicomm cable is connected between Com 2 of the Radisys board and Com 2 on the Force board.

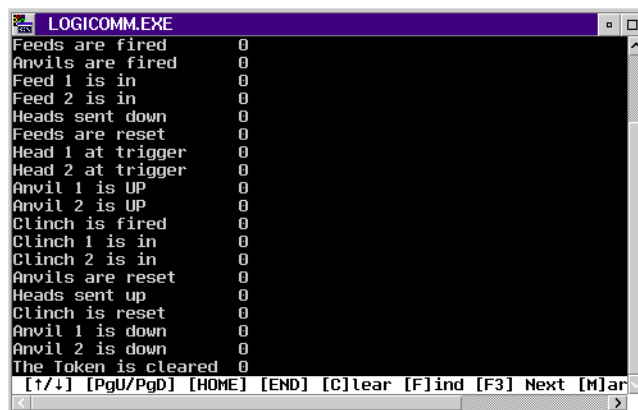
To view data that has already scrolled off the screen.



NOTE

Do not use [Alt+W] until data has been entered into the buffer.

1. Select [Alt+W]. A menu of navigating commands is displayed at the bottom of the screen.



```

LOGICOMM.EXE
Feeds are fired      0
Anvils are fired    0
Feed 1 is in        0
Feed 2 is in        0
Heads sent down     0
Feeds are reset      0
Head 1 at trigger   0
Head 2 at trigger   0
Anvil 1 is UP       0
Anvil 2 is UP       0
Clinch is fired     0
Clinch 1 is in      0
Clinch 2 is in      0
Anvils are reset    0
Heads sent up       0
Clinch is reset     0
Anvil 1 is down     0
Anvil 2 is down     0
The Token is cleared 0
[↑/↓] [PgU/PgD] [HOME] [END] [C]lear [F]ind [F3] Next [M]ar
  
```

2. These commands are provided.
 - Up and Down arrow: Move up or down on the current screen.
 - [PgU/PgD]: Move up or down to the next screen in the display.
 - [HOME]: Move to the beginning of the display.
 - [END]: Move to the end of the display.
 - [C]: Clear all data.
 - [F]: Find a selected string.
 - [F3]: Find next occurrence of a selected string.
 - [M]: Select all data from top of file to selected string. This data can then be saved to a file by pushing [W].
 - [W]: Save all or selected data to a file. A prompt asks for a filename.
 - [Esc]: Close the menu of navigating commands.

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