

Appendix A. Error Messages

Error Messages

The tables in this Appendix provide lists of system error messages. All messages can appear in up to three system locations, except as noted in the tables:

- Control Panel CHANNEL STATUS DISPLAY
- Maintenance Terminal
- Status Display screen seven

There are three categories of D/ESAM error messages:

- **User Limit Messages**

This type of error message alerts the operator when data input errors occur. Enter the correct information to correct the error.

- **System Status Messages**

This category alerts the operator about the current status and / or value of the selected feature. No operator response is required.

- **Serious System Errors**

This type of error message indicates a major system problem. When an error of this type occurs, call or fax GPS customer service immediately and provide the following information:

- error message as displayed on screen
- all register data appearing on the status display
- nature of the operation in which the error occurred
- active configuration of logical and virtual machines

In each of the following tables, an “**X**” in one or more of the three right-hand columns indicate the location(s) at which the error message appears. Column abbreviations are:

- **CP** — Control Panel
- **MT** — Maintenance Terminal
- **SD** — Status Display screen seven

Note that all tables are sorted alphabetically by Message.



User Limit Messages

User Limit Messages

Message	Category	Description	CP	MT	SD
CAN NOT REMOVE	Panel sequence entry status message	When a master channel is assigned during a link-channel sequence, it can only be removed with the CLR key. Slaves cannot be removed if their removal would leave other slaves separated from the contiguous master/slave chain.	X		
Can not delete machine. Assigned to <log mach>	Panel sequence entry status message	An attempt was made to delete a virtual machine that is assigned to a logical machine.	X		
Can not write to a setup disk!	Panel sequence entry status message	An attempt was made to write to a disk with the special setup disk volume label. This setup disk can only be written from the maintenance terminal.	X		
CLR, ENTR or UNDO	Warning	Displayed momentarily if an attempt was made to exit a sequence once committed with out using one of the above buttons.	X		
DELAY TOO LONG	Panel sequence entry status message	An attempt was made to set the user virtual machine delay to a value beyond the maximum allowed.	X		
Deleting all configuration registers on disk...	Disk status message	This message will appear on the main panel channel display at the start of configuration register transfer to disk if the previous configuration registers on disk need to be deleted.	X		
Deleting all groups on disk...	Disk status message	This message will appear on the main panel channel display at the start of register transfers to the disk if the disk needs to be cleared of previous groups.	X		
Effects memory storage exceeded	Effects panel status message	The amount of storage space allocated for an effects register has been exceeded.	X	X	X
ERROR Destination list is too short	Register management entry error.	The list given for the destination register numbers does not specify enough locations to put the registers listed as the source.	X	X	X
ERROR Destination number out of range	Register management entry error.	A number or range appearing in the destination list produced a number greater than the largest possible register number of 4089.	X	X	X
ERROR Equalizer memory storage exceeded	Effects panel status message	The amount of storage space allocated for equalizer registers has been exceeded.	X	X	X

User Limit Messages (continued)

Message	Category	Description	CP	MT	SD
ERROR Group <group name> not found	Register management entry error	The specified group could not be found.	X	X	X
ERROR Illegal range in list	Register management entry error.	The register number list for either the source registers or the destination registers is illegal. e.g. "3-3".	X	X	X
ERROR Maximum number of EQ sources exceeded	Effects panel status message	An attempt was made to equalize more inputs than there are timeslots available for equalizer processing.	X	X	X
ERROR Maximum number of mix sources exceeded	System overload error	An add or select command needed more audio time-slots to complete its action than were available.	X	X	X
ERROR No registers match those in list	Register management entry error.	None of the registers specified in the source list could be found.	X	X	X
ERROR Not enough memory for copy operation	Register management entry error.	The number of registers specified for a copy operation will not fit in the available memory.	X	X	X
ERROR Register number out-of-range	Incorrect data entry	The register number used is too large for the current system configuration.	X	X	X
ERROR Virtual machine out-of- range	Incorrect data entry	A command received from the high- speed bus contained a virtual machine number greater than the maximum allowed.	X	X	X
Group memory is full	DMEM Status message	The memory used to store DMEM groups is full.	X	X	X
ILLEGAL CHANNEL	Panel sequence entry status message	It is not possible to attach a processing loop to the channel that is being selected.	X		
ILLEGAL INPUT	Panel sequence entry status message	An attempt was made to change an input number beyond the next empty input for the virtual machine being defined.	X		
ILLEGAL LIST	Panel sequence entry status message	One or more of the numbers in the list is greater than the maximum allowable register number of 4089.	X		
ILLEGAL LOG MACH	Panel sequence entry status message	No valid logical machine can be assigned. Either the machine information shown on the preview bus is ambiguous, or no logical machine was entered during an assign machine sequence.	X		
ILLEGAL MASTER	Panel sequence entry status message	A channel must have a valid logical machine assigned to it for it to become a master fader channel.	X		

User Limit Messages (continued)

Message	Category	Description	CP	MT	SD
ILLEGAL SLAVE	Panel sequence entry status message	A channel must have a valid logical machine assigned to it for it to be slaved to a master fader. Slaved channels must be contiguous to the master fader channel.	X		
ILLEGAL TIME	Panel sequence entry status message	An attempt was made to enter an invalid time or date value.	X		
ILLEGAL VIRT MCH	Panel sequence entry status message	No valid virtual machine can be assigned. Either a virtual machine was never entered during the assign machine sequence, or a value greater than 255 was entered.	X		
INPUT # TOO BIG	Panel sequence entry status message	An attempt was made to use a nonexistent input in the virtual machine being defined.	X		
LOOP NUM TOO BIG	Panel sequence entry status message	An attempt to assign a sequence of processing loops was aborted because the maximum processing loop assignment (#16) was exceeded.	X		
NO CUE TRACK	Panel sequence entry status message	An attempt was made to assign a cue track channel on the panel for a machine which has no cue track.	X		
No configuration register on disk	Disk status message	This message will appear on the main panel channel display during maintenance disk operations if there was no #00 configuration register on disk.	X		
No EEPROM file on disk	Disk status message	This message appears on the main panel channel display during maintenance disk operations if the EEPROM setup file could not be found on the maintenance disk. No changes will be made to the current EEPROM settings.	X	X	X
No virtual machine file on disk	Disk status message	This message will appear on the main panel channel display if, during maintenance disk operations, a virtual machine file could not be found on the maintenance disk. The current virtual machine definitions will not be overwritten.	X		
Output Delay resources exceeded	Effects panel status message	There are not enough slave processors available to provide the requested channels of output delay. One or more audio inputs will not have any output delay.	X	X	X

User Limit Messages (continued)

Message	Category	Description	CP	MT	SD
Reading EEPROM data . . .	Disk status message	This message appears on the main panel channel display during maintenance disk operations while the EEPROM setup file is being read off of the maintenance disk.	X		
Reading virtual machine data . . .	Disk status message	This message appears on the main panel channel display during maintenance disk operations while the virtual machine data is being read off of the maintenance disk.	X		
Register 0 is write protected	DMEM Status message	A command received from the high-speed bus requested a save of the write protected register "0".	X	X	X
Register memory is full	DMEM Status message	The memory used to store DMEM registers is full.	X	X	X
SELECT R-X	Panel sequence entry status message	A starting track number was entered during channel assignment sequence, but no logical machine was selected.	X		
Sending register 0 ...	Disk status message	This message appears on the main panel channel display during maintenance disk operations when the #00 configuration register is being sent to the main equipment frame.	X		
Slave resources exceeded	Effects panel status message	There are not enough slave channels available to provide the requested effects feature. One or more audio channels cannot be allocated.	X	X	X
Sorry, The Disk Drive is in use.	Maintenance Terminal Operations	Prior to entering maintenance disk operations, the disk drive was found to be busy.		X	
Specified register not found	DMEM Status message	A command received from the high-speed bus requested the recall of a register which has never been saved.	X	X	X
Tone machine undefined	Incorrect data entry	An attempt was made to activate the tone machine and no virtual machine named "TONE" could be found.	X	X	X
TRACK TOO LARGE	Panel sequence entry status message	The starting track number entered for the machine being assigned to the panel is larger than the number of tracks possessed by the machine.	X		

User Limit Messages (continued)

Message	Category	Description	CP	MT	SD
Transfer complete. Resetting system . . .	Disk status message	This message will appear during maintenance disk operations when the maintenance disk has successfully downloaded the new virtual machine, EEPROM and register 00 configuration information. The system is automatically restarted so that these changes may take effect.	X		
Transfer register: Incompatible format!	Transfer register message	The size or type of the incoming register components differ significantly from what exists in this system.	X	X	X
Transfer register: Message corrupted!	Transfer register message	A checksum done on an incoming register failed.	X	X	X
Transfer register: Not enough memory!	Transfer register message	The system could not allocate enough temporary storage to satisfy the needs of a transfer register command received by the editor serial port.	X	X	X
Undefined processing loop assignment	Incorrect data entry	The processing loop channel number being assigned to a logical machine and track is either too large or is not supported by the current hardware configuration.	X		
UNDEF LOOP NUM	Panel sequence entry status message	Processing loops are numbered between 1 and 16.	X		
User virtual machine Usr? is not defined	Disk status message	A user virtual machine was read from disk that is not defined in this system. That user virtual machine must first be defined from the maintenance terminal.	X	X	X
Virtual machine undefined	Incorrect data entry	A command received from the high-speed bus referenced a virtual machine which has no inputs.	X	X	X
Writing User Virtual machines to disk...	Disk status message	This message will appear on the main panel channel display when user virtual machines are being written to disk.	X		

System Status Messages



System Status Messages

Message	Category	Description	CP	MT	SD
Cannot adjust faders downward	System alignment message	This message appears during panel fader alignment. The panel cannot adjust the faders properly because the EEPOT is unable to adjust any of the faders below their maximum electrical level.	X		X
Cannot adjust faders upward	System alignment message	This message appears during panel fader alignment. The panel cannot adjust the faders properly because the EEPOT is unable to adjust the lowest fader to the maximum electrical level.	X		X
Clock not set	System status message	This message appears on power-up or reset if the real-time clock in the disk panel is not initialized. If the clock is set, but this message still appears, check the battery in the disk panel.	X	X	X
DOS busy	DOS internal message	The requested DOS call cannot proceed because DOS is busy performing a task for a lower-level process.	X	X	X
ERROR Address mark not found	Internal disk BIOS error	During a read or write operation, the FDC was unable to find an ID or data address mark.	X	X	X
ERROR Bad controller mode for operation	Internal disk BIOS error	The FDC is not in the proper mode to perform the requested command.	X	X	X
ERROR Bios error	DOS status message	A DOS operation was aborted due to an error returned by the BIOS.	X	X	X
ERROR Checksum error - register XXXX	Disk status message	A register transfer between the disk and the rack has gone awry, and after a few attempts to complete the transfer successfully, D/ESAM has given up and aborted the transfer of the register.	X	X	X
ERROR Command interrupted by polling	Internal disk BIOS error	A FDC command in progress was interrupted by the FDC internal polling routine.	X	X	X

System Status Messages (continued)

Message	Category	Description	CP	MT	SD
ERROR CONFIGURATION MEMORY CRC FAILURE	System startup error	The FLASH memory which stores the virtual machine & configuration register settings is possibly corrupted. Check virtual machines and configuration registers. If error persists, replace FLASH memory.	X	X	X
ERROR CRC error	Internal disk BIOS error	A CRC error was detected in either the ID field or data field of a sector on the disk.	X	X	X
ERROR Data address mark not found	Internal disk BIOS error	The FDC is unable to read a data address mark on the current track.	X	X	X
ERROR Directory not found	DOS status message	The requested directory could not be found.	X	X	X
ERROR Directory path too long	DOS status message	The requested subdirectory would extend the nested path length beyond the maximum limit.	X	X	X
ERROR Disk controller timeout	Internal disk BIOS error or drive error	The FDC timed-out while performing a disk operation.	X	X	X
ERROR Disk drive not ready	Internal disk BIOS error	An attempt was made to access the drive before it was up to speed.	X	X	X
ERROR Disk drive panel not responding	Disk status message	The rack has timed out waiting for a response from the disk drive panel. The disk operation in process is aborted. Make sure that the disk drive panel is connected properly, and that a valid D/ESAM disk is present in the drive.	X	X	X
ERROR Disk drive panel timeout	Disk status message	The disk panel failed to receive an acknowledgement from the rack or the panel during a disk operation. The disk operation is aborted.	X	X	X
ERROR Disk is full	DOS status message	There is no more room on the current disk.	X	X	X
ERROR Disk is write-protected	DOS status message	A write operation is being attempted on a disk which is write-protected.	X	X	X
ERROR Disk operation canceled	DOS status message	The current disk operation was stopped by the user.	X	X	X
ERROR Disk write-protected	Internal disk BIOS error	The FDC is attempting to write on a write-protected disk.	X	X	X
ERROR DOS abort	DOS status message	DOS experienced an internal inconsistency during processing. The system is most likely corrupted and should be reset.	X	X	X

System Status Messages (continued)

Message	Category	Description	CP	MT	SD
ERROR Drive number out of range	DOS status message	The requested drive does not exist.	X	X	X
ERROR EEPROM FAILURE	System startup error	The EEPROM which stores important system startup information has failed. The EEPROM must be replaced and the information it contained re-written.	X	X	X
ERROR EEPROM S-Record error line xxx	Disk operations	The EEPROM file transfer from the maintenance disk was aborted because there was an error in the file.	X	X	X
ERROR EEPROM transfer failure	Disk operations	Repeated checksum errors during transmission have forced the disk panel to abort the transfer of the EEPROM file from the maintenance disk.	X	X	X
ERROR FIFO overrun/underrun	Internal disk BIOS error	The FDC controller internal FIFO was not serviced in a timely manner during a read or write operation.	X	X	X
ERROR File not found	DOS status message	The requested file could not be found.	X	X	X
ERROR File or directory cannot be erased	DOS status message	The file or directory requested is write-protected or hidden, or in the case of subdirectories, is not empty.	X	X	X
ERROR Floppy removed	Internal disk BIOS error	The floppy was removed during a disk operation.	X	X	X
ERROR Hard error on floppy track	Internal disk BIOS error	The track currently being accessed is marked with \$FF, the hard error code.	X	X	X
ERROR Illegal name	DOS status message	The volume label argument passed to DOS contains illegal characters.	X	X	X
ERROR Illegal time or date format	DOS status message	An illegal time or date format was passed to the time/date conversion routines.	X	X	X
ERROR Incorrect track address on floppy	Internal disk BIOS error	The FDC internal track address does not mark that read from the disk.	X	X	X
ERROR Internal bios software error	Internal disk BIOS error	The BIOS operating software has encountered an internal inconsistency. The requested operation cannot be performed, and the system should be reset.	X	X	X
ERROR Invalid command or command aborted	Internal disk BIOS error	An illegal command was sent to the FDC, or a command in process was aborted by the FDC.	X	X	X

System Status Messages (continued)

Message	Category	Description	CP	MT	SD
ERROR No disk in drive	DOS status message	There is no disk in the drive being accessed.	X	X	X
ERROR No volume label on disk	DOS status message	The disk in the current drive does not have a volume label.	X	X	X
ERROR Power-Fail Restart	System status message	This message appears (on the maintenance terminal only) when the system detects that it has restarted due to a power fail. This message will NOT appear if the system is restarted by a reset or error condition.		X	
ERROR Register Memory Problem - Code xxx	System startup error	An error in register memory was found at startup. The code is an internal flag indicating the type of problem found. Depending upon the severity of the error, register memory may have been completely re-initialized, or various registers or groups may have been lost. In either case, this message will continue to appear until memory is reset. Backup all registers, reinitialize D/ESAM memory through the maintenance terminal and report the error code to GPS customer service.	X	X	X
ERROR Sector marked DELETED on READ	Internal disk BIOS error	The FDC encountered a deleted data address mark while reading a sector.	X	X	X
ERROR Sector not found	Internal disk BIOS error	The FDC cannot find the requested sector on the disk.	X	X	X
ERROR Seek failed	Internal disk BIOS error or drive error	The FDC is unable to seek to the requested track.	X	X	X
ERROR Track 00 not found	Internal disk BIOS error or drive error	The FDC is unable to recalibrate the drive back to track 00.	X	X	X
ERROR Undefined DOS error code	DOS status message	An unknown error code was returned by DOS. Suspect a corrupted system.	X	X	X
ERROR Undefined error code	Internal disk BIOS error	The BIOS has returned an unknown error code.	X	X	X
ERROR Unformatted or unreadable disk	DOS status message	The disk being accessed is either unformatted or is formatted with an invalid structure.	X	X	X
ERROR User virtual machine error line xxx	Disk operations	The virtual machine transfer from the disk was aborted because there is an error in the file.	X	X	X
ERROR Virtual machine error line xxx	Disk operations	The virtual machine transfer from the maintenance disk was aborted because there is an error in the file.	X	X	X

System Status Messages (continued)

Message	Category	Description	CP	MT	SD
ERROR Virtual machine transfer failure	Disk operations	Repeated checksum errors during transmission have forced the disk panel to abort the transfer of the virtual machine file from the maintenance disk.	X	X	X
Faders adjusted!	System alignment message	Message appears during panel fader alignment. It indicates successful completion of the fader alignment.	X		X
Illegal Disk Drive Panel response. Aborting . . .	Maintenance Terminal Operations	During maintenance disk operations, disk drive returned an unrecognized command or erroneous data. Make sure that disk and equipment frame are both running proper version of software, and check integrity of the communications link between frame and the panel devices.		X	
More directory entries follow	DOS internal message	The directory command returns this message if there are more entries to be fetched in the current directory.	X	X	X
PANEL REGISTER INCOMPATIBLE	System Status Message	Panel received a register that is incompatible with current software version. This can only occur if the register was made on a system with a more recent software version. Reset system and delete this register.	X	X	X
RAM CHECK FAILED	System status message	The device indicated by prefix to this message found that its battery-backup RAM had failed. This could be caused by bad RAM, weak battery, software error, by removing processor board, or by adding or removing panels to/from system.	X	X	X
SOFTWARE VERSION CHANGED	System status message	This message appears when a device in the D/ESAM system is re-initialized with a new version or revision of software.	X	X	X
SYSTEM INITIALIZED	System status message	This message appears when the system memory has been flushed via a maintenance operation.		X	
The Disk Drive Panel is not responding.	Maintenance Terminal Operations	Equipment frame has timed out while waiting for disk drive panel to respond to a command. Verify that equipment frame and disk drive are both running proper version of software, and check cabling between equipment frame and panel devices.		X	



Serious System Errors

Serious System Errors

Message	Category	Description	CP	MT	SD
Config Storage - <message>	FLASH memory failure	An error occurred while trying to read or write the configuration registers from FLASH ROM. <message> describes the problem in more detail.	X	X	X
Disk panel register version mismatch	Rack status message	The disk panel reported a register version or register size that was not consistent with what the rack assumes about the disk panel. Be sure a compatible software version is installed in the disk control panel.	X	X	X
EQ panel register version mismatch	Rack status message	The EQ panel reported a register version or register size that was not consistent with what the rack assumes about the EQ panel. Be sure a compatible software version is installed in the EQ control panel.	X	X	X
ERROR RACK RESTART MESSAGE CORRUPTED	Communications error	The 'virt machines' restart message from the rack was corrupted during transmission to the panel. The panel is unable to complete the restart.	X	X	X
ERROR MON DSP Interrupt	Fatal internal error	An unexpected interrupt from the MON DSP was received, or MON DSP was improperly initialized.	X	X	X
FAULT <MIX DSP/PVW DSP/MON DSP/SLAVE x DSP> code xxx	Internal DSP error	An internal digital signal processor error trap (code xxx) occurred.	X	X	X
FAULT Address error	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT Autovector <x> interrupt	Fatal internal error	This is a non-recoverable hardware error.	X	X	X
FAULT Bus error	Fatal internal error	This is a non-recoverable hardware or software error.	X	X	X
FAULT Check out of bounds	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT Divide by zero	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT Illegal 1010 trap	Fatal internal error	This is a non-recoverable software error.	X	X	X

Serious System Errors (continued)

Message	Category	Description	CP	MT	SD
FAULT Illegal 1111 trap	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT Illegal instruction	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT MIX DSP Interrupt	Fatal internal error	An unexpected interrupt from the mix DSP was received, or the mix DSP was improperly initialized.	X	X	X
FAULT Overflow trap	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT PVW DSP Interrupt	Fatal internal error	An unexpected interrupt from the PVW DSP was received, or the PVW DSP was improperly initialized.	X	X	X
FAULT Privilege violation	Fatal internal error	This is a non-recoverable software error.	X	X	X
FAULT Reserved vector trap	Fatal internal error	This is a non-recoverable hardware error.	X	X	X
FAULT SLAVE #<1-4> DSP Interrupt	Fatal internal error	An unexpected interrupt from the slave DSP was received, or the slave DSP was improperly initialized.	X	X	X
FAULT Spurious interrupt	Fatal internal error	This is a non-recoverable hardware error.	X	X	X
FAULT Spurious MFP interrupt	Fatal internal hardware error	The system received an interrupt from a channel on the MFP which should not be transmitting interrupts.	X	X	X
FAULT System stack corruption - task <x>	Fatal internal error	Task <x> has corrupted the internal 68000 system stack.	X	X	X
FAULT Trace trap	Fatal internal error	Non-recoverable software error.	X	X	X
FAULT TRAP <x>	Fatal internal error	Non-recoverable hardware error.	X	X	X
FAULT Unexpected quart interrupt	Fatal internal hardware error	The disk drive panel quart returned an invalid internal interrupt vector.	X	X	X
FAULT Uninitialized intrupt	Fatal internal error	Non-recoverable hardware error.	X	X	X
FAULT Unused user interrupt	Fatal internal error	This is a non-recoverable hardware error.	X	X	X
FAULT User stack corruption -task <x>	Fatal internal error	Task <x> has corrupted the internal 68000 user stack.	X	X	X
FAULT Video interrupt	Fatal internal hardware error	The panel status display hardware generated an interrupt which was not expected by the software.	X	X	X

Serious System Errors (continued)

Message	Category	Description	CP	MT	SD
FLASH <message>	FLASH Memory Error	An error occurred while reading or writing from the FLASH memory. <message> indicates the type of error. Reset the system and retry the operation. If errors continue, FLASH EEPROM may need replacement.	X	X	X
Fx DSP queue overflow	System overload error	A lot of activity on an Fx device causes Fx DSP queue to overflow	X	X	X
Internal mixer add failure	Internal software error	An internal software consistency check failed. Report error and the state of mixer at time of the failure, to GPS customer service.	X	X	X
Main panel register version mismatch	Rack status message	The main panel reported a register version or register size that was not consistent with what the rack assumes about the main panel. Be sure a compatible software version is installed in the main control panel.	X	X	X
Mix DSP queue overflow	System overload error	A lot of activity on the mix buses causes the queue handling the MIX. DSP functions to overflow.	X	X	X
Unknown panel connected	Rack status message	A panel is connected that rack does not recognize. Check s/w version.	X	X	X
Virtual Machine Storage - <message>	FLASH memory failure	Error occurred while attempting to load virtual machine data from FLASH ROM. This will occur once at startup when new (uninitialized) FLASH ROM is installed. Any other occurrence indicates problem with FLASH memory. <message> describes problem in more detail.	X	X	X