

RELEASE NOTES

RMS1551-01-G

These release notes contain important information about the new firmware and how it will affect the performance of instruments in which it is installed. Please read the notes before attempting to use the new firmware.

1.1 CONFIGURATION FILES

Configurations running under the previous version (RMS1551-01-F) may be run under this version with one minor change. After loading the old configuration into the new version, use the new item #9 (MIN SP) in the DATA ENTRIES #1 menu. Change the value shown by item #9 to zero, and leave that display by pressing ENTER. Compile and save the new configuration.

1.2 OPENING CONTIGUOUS FILES

The new menu item #9 (MIN SP) in the DATA ENTRIES #1 menu allows you to set the SCSI Interface Module to search for a contiguous disk space of a certain size before opening a new data file. This is important when recording on disk at higher data rates. When MIN SP is set to zero, a file is opened exactly as it was in previous versions.

MIN SP is saved with the configuration file. Its default value in older configurations is non-zero. Following the directions in section 1.1 of this document sets the system to open files in the ordinary way.

The manual for the HDS data recording system contains an explanation of contiguous files and contiguous disk space.. Directions for using MIN SP are in the DAS8 and DGR33 manuals, section 3.6.9.

1.3 LARGER DISK PARTITIONS

Disk partitions up to 2 Gbytes (2^{31} bytes) are now supported. There are new format tables for all supported disk drives. In order to work correctly, your current disk drive must be reformatted with the new firmware. Use the FORMAT command in the DISK COMMAND MODE menu. Remember to save any important files on another disk or on tape, since formatting a disk destroys all the data on it.

1.4 HIGHER CAPACITY TAPE AND DISK DRIVES

SCSI disk drives and tape drives with higher data capacities are now supported by RMS1551-01-G. Supported drives are shown in Table 1.

Tape Drives		Data Capacity [Mbyte]
	Tandberg Data TDC3620	60
	Tandberg Data TDC3660	150
	Tandberg Data TDC3820	525
Disk Drives		
	Conner Peripherals CP3040	40
	Conner Peripherals CP30080	80
	Conner Peripherals CFA540	540

Table 1. Supported tape and disk drives

1.5 SECONDARY RECORDER HOST

It is now possible to release the recorder from the DAS8 or DGR33 so it can be controlled by another host device such as the AADC. The new command OFFLINE releases control of the recorder. The DAS8 or DGR33 can then be operated normally while the secondary host controls the recorder. Control can be re-established with the ONLINE command if the secondary host has released the recorder. See the entries for ONLINE and OFFLINE in Table 5:4 of either the DAS8 or DGR33 manual.

1.6 COMPATABILITY

The new firmware (RMS1551-01-G) is compatible with the firmware of other RMS modules as shown in Table 2.

Module name	Module Number	Firmware Revision Number
ANALOG	RMS4185	RMS1221-07-C RMS1221-07-D RMS1221-08-A RMS1221-08-B RMS1221-08-C
ANALOG	RMS4185A	RMS1517-01-A
ARINC	RMS4429	RMS1446-01-C
ARINC	RMS4429A	RMS1529-01-A
SERIAL	RMS4272	RMS1356-02-H
SERIAL	RMS4272A	RMS1527-01-C RMS1527-01-D
SPECTROMETER	RMS4241	RMS1336-01-D
SPECTROMETER	RMS4241A	RMS1528-01-A
SCSI	RMS4526A	RMS1530-01-H
TIM (TAPE I/F MODULE)	RMS4339A	RMS1518-01-A

Table 2. Compatibility of other RMS firmware with RMS1551-01-G