

# DriveMS maintenance tool for SAMI STAR and SAMI MEGASTAR AC drives

The Drive Maintenance System (DMS) developed by ABB – its monitoring and trend functions – have been successfully used for the maintenance and troubleshooting of drives. Our proven digital monitoring and testing system is available also as a Windows version that is easy to implement.

## Benefits

- Simple and user-friendly tool to monitor and control drives
- Runs on all IBM compatible PCs
- Quick and easy to use
- Does not require any new expensive investments in hardware
- Controls and manages up to eight drives simultaneously

## Service provides

Four different alternatives available for DriveMS:

### If the hardware is already available:

#### 1. DriveMS one drive

- Code: 64684884
- “DriveMS for one drive” software on CD-ROM
- User manual

#### 2. DriveMS multiple drives

- Code: 64690795
- “DriveMS for multiple drives” software on CD-ROM
- User manual

### If the hardware is also needed:

#### 3. SSPC-1 for one drive

- Code: 64684884-H
- “DriveMS for one drive” software on CD-ROM
- User manual
- SSPC-1 (Special Serial Protocol Converter)



#### 4. SSPC for multiple drives

- Code: 64690795-H
- “DriveMS for multiple drives” software on CD-ROM
- User manual
- SSPC (Special Serial Protocol Converter)
- Cables to connect the PC to the SSPC and the SSPC to the drive
- Optical fibers between the drive control board and the I/O board

### Seamless integration of the Windows operating system and DriveMS

Thanks to its Windows-based menu window and additional windows, DriveMS is clear and simple to use. The DriveMS runs on the Windows NT, 2000 and XP operating systems on all IBM compatible PCs. The implementation, testing, startup, shutdown and speed settings for various types of automation drives can be performed quickly and easily. Parameter values may be loaded from the PC to the SAMI STAR and vice versa. Parameter processing is clear, as the parameters displayed on screen can be grouped into windows specific to their type of operation.

The DriveMS control system can be installed on a Windows PC and does not require any new expensive investments in hardware. The DriveMS software runs on the same hardware as DMS, its predecessor, so the DriveMS utility is also available as a software upgrade only.

#### Product Lifecycle Services

- Installation & Commissioning
- Training
- Support & Remote Services
- Spare Parts & Repairs
- Maintenance & Field Services
- Migration & Retrofits
- Optimization



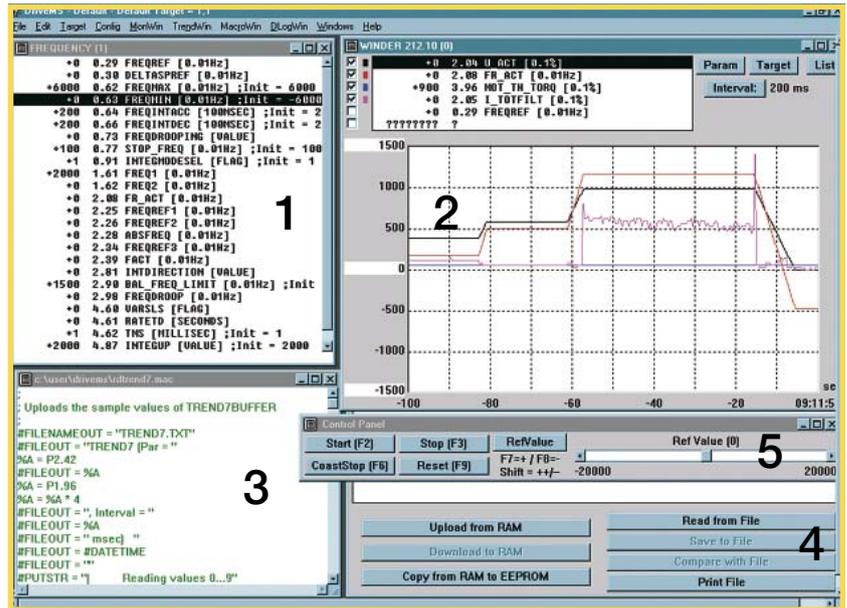


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Service notes

## Easy and effective control and monitoring

A PC with the DriveMS system can be used to control and manage from one to eight SAMI STAR drives simultaneously. The trend and DataLogger functions in DriveMS make the maintenance and troubleshooting of SAMI STAR efficient. The trend function can be used to display one to six trends simultaneously from one or more drives.



## All drive management situations in control

The DriveMS tool may be used in all situations related to SAMI STAR drives:

- Maintenance
- Troubleshooting
- Commissioning
- Control
- Training

## DriveMS display functions and windows

When the program is started, the main window opens occupying usually the entire screen. Additional windows selected by the user open inside the main window. The numbered titles below refer to the numbers in the pictures.

### 1. Monitor Window

The window can be used for monitoring one or more drives simultaneously. The monitoring is numerical in nature, and the values and results may be stored. The monitoring administrator may also enter self-defined parameters (max. 50 items).

### 2. Trend Window (one or more)

The windows indicate trends in graphical format based on the parameters selected by the user. Each trend window shows up to six parameters. Trends may be displayed from one or more drives. The minimum sample time

ranges from 50 milliseconds (one trend) to 300 milliseconds (six trends).

The trend history may be scrolled and scaled both in the horizontal and the vertical direction.

### 3. Macro window (one or more)

In the macro window, the system user can type the required macro statements and execute them.

### 4. EEPROM parameter window

This window is used for uploading, comparing and modifying EEPROM (TEE) parameters, as well as their backup and restore operations and printing.

### 5. Control panel window

This window is used for local control of the selected drive.

### 6. Data Logger Window

The Data Logger window is used for controlling the storage of data obtained from the drives and displaying the selected sample values in a graphical and numerical format.

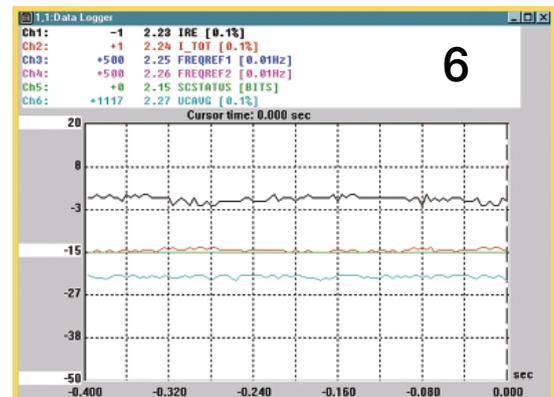


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