



SR-2000 & SR-2001 Series Equipment Chassis **Installation Instructions**

Product Description

The SR-2000 and SR-2001 series chassis are standard EIA 19"L x 5-1/4"H x 10-7/8"D (3U) chassis frame that houses Meridian's fiber optic transmitter and receiver rack-mount card units. The diagnostic versions feature a microprocessor based fiber optic network diagnostics hardware and software system (SpectraSmart).

These chassis can be installed in a variety of configurations including a single, stand-alone chassis or a master chassis with additional slave or expansion chassis. When using master and expansion chassis, a short interconnect cable is connected between the chassis to communicate the chassis' network diagnostic information back to the master/computer interface. This cable is normally supplied with the purchase of the expansion chassis.

These chassis feature either a single or dual (redundant) power supply/distribution system. The power supplies (PS-150) are 150 watt switching power supplies that plug-in from the rear of the chassis and provide a variety of DC power levels that are distributed to the plug-in cards via the motherboard.

There are several models of these chassis – with and without diagnostics. The table below identifies the various chassis part numbers with the appropriate description.

SR-2000 & SR-2001 Chassis Options				
Part Number	Description	SpectraSmart Diagnostics	# Power Supplies	# Single-wide Module Slots
SR-2000/S1-PC	19" Master subrack	YES	1	18
SR-2000/R1-PC	19" Master subrack w/redundant power supplies	YES	2	14
SR-2001/ES1-PC	19" Expansion subrack	YES	1	18
SR-2001-ER1-PC	19" Expansion subrack w/redundant power supplies	YES	2	14
SR-2001/AS1	19" equipment chassis	NO	1	18
SR-2001/AR1	19" equipment chassis	NO	2	14

Installation

The SR-2000/2001 series chassis may be installed in a standard EIA rack cabinet or left on a table top. Air flow must be adequate to keep card units and power supply below 55 degrees centigrade. At this temperature a minor alarm condition will be generated by the SpectraSmart diagnostic program and transmitted to the attached computer.

Note: A fully loaded subrack should have forced-air cooling to avoid excessive heat generation inside the chassis. A fan assembly tray (P/N FA-2000) with three (3) fans is available and should be installed under the SR-2000 and SR-2001 chassis whenever possible.

Card Units

The SR-2000/SR-2001 series chassis accommodates Meridian Technologies' fiber optic card units from the rear of the chassis (see module installation manual).

Power Supply

The power supply used with these chassis is Model PS-150 and it is also installed from the rear of the chassis.

SpectraSmart

The diagnostics system featured in the SR-2000 series chassis is described in the SpectraSmart software manual. Please refer to this manual for connection, configuration and software installation procedures.

If you have any questions, please call Meridian's Technical Support at 516-285-1000.