

DISASTER RECOVERY UNIT



Symmetricom's Disaster Recovery Unit (DRU) is a complete primary reference source assembled in a portable case.

The DRU offers an immediate response to natural disaster, destructive weather or complications resulting from construction error. The DRU is designed to restore your central office to GPS reference before the office clock ages out of the PRS mask.

Features

- TimeSource 2500 GPS receiver with through the window capability
- DCD 519 for timing distribution and holdover
- Redundant AC to 48VDC power supplies
- 48V DC powered modem @ 14.4 Kbps
- Bantam or wire wrap distribution
- High impact plastic case on locking casters
- Combination lock to secure the equipment

Applications

- Emergency restoral of primary reference when catastrophic failure occurs in a central office
- Temporary primary reference for media events
- Test and acceptance of new office cut overs
- Trouble shooting network synchronization problems

System Description

The Disaster Recovery Unit comes with a TimeSource 2500 GPS Through-The-Window Stratum 1 Timing System. Two antenna options are supplied: the window patch antenna has 100 feet of LMR 240 cable, and the external, high gain antenna has 200 feet of LMR 240 cable and a lightning protector. The equipped external antenna is mounted on a tripod.

The DRU utilizes a DCD-519 configured as a timing signal generator equipped for 15 DS1 outputs and 10 CC outputs. The DS1 outputs are available in the rear of the shelf on bantam jack connectors.

The unit may be powered from the office battery or 110 VAC. Both inputs may be used for redundancy. The two -48 V supplies are provided with steering diode isolation.

The equipment case has removable hinged doors, front and rear. Locking casters are supplied with the case and are removable with one captive screw for shipping, if required.

The -48 V powered modem included will operate directly with the TimeSource 2500 or the MIS unit in the DCD 519.

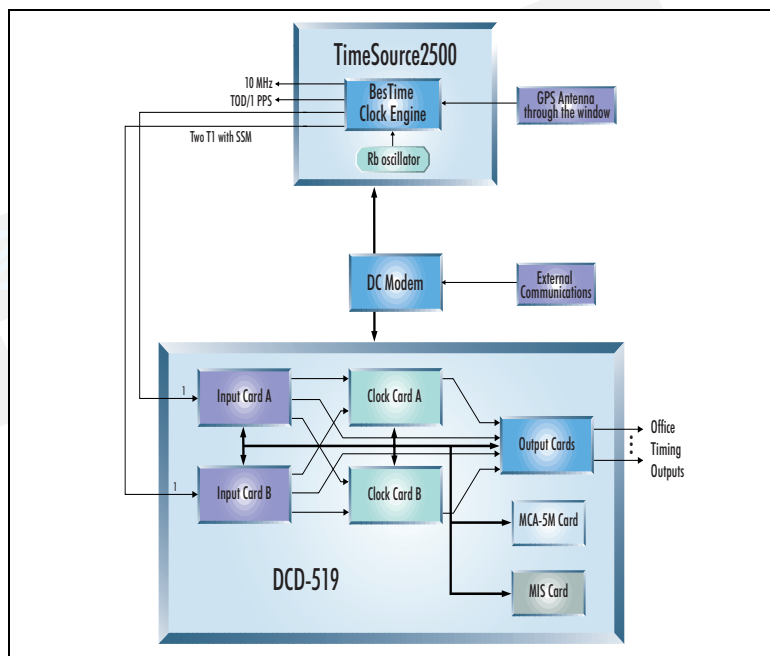
A toolbox is secured to the front bottom of the case to store the window antenna, interface connectors, etc.

Disaster Recovery Unit Specifications

Power Supply	Input Output Fusing Office battery fuse	95 to 120 VAC -48 VDC @ 6a 3AG, 5a, 240VAC, slow blow 10a per side
Equipment Case	Size (W×D×H) Weight	27" × 28" × 42" 135 lbs.
TS2500	External Antenna Window Antenna Cable	40 dB gain volute, L1 23 dB gain patch, L1 2 sections LMR 240 cable, 100ft. each
Modem		v.32 bis, 14.4 kb



Disaster Recovery Unit (Inside)



Disaster Recovery Unit Diagram



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Preliminary datasheet, all specifications subject to change without notice.
DS/DRU/D/0200/2.5M