REDUNDANCY CONTROLLER

RMC-RRS011-HE01

FIELD-PROVEN PERFORMANCE

Wavestream’s Redundancy Controller provides intelligent control of Wavestream amplifiers in a 1:1 configuration along with corresponding receive path. The compact (1U) rack-mount chassis has a 4-line, backlit LCD display and key status LEDs.

FEATURES

• 1U Rack-mount Chassis
• 1:1 String Switching or Independent TX and RX Switching
• Integrated Baseball Switch Control
• Ethernet Interface for NMS Integration
• Alarm Interface with Flexible Input and Output Alarm Processing
• Graphical, Back-lit LCD Display and Status LED’s

BENEFITS

• Allows automatic control of switching to the redundant Amplifier to minimize system downtime
• Solid State technology allows for “Instant-On” redundant Amplifier with no warmup time
• Piece of mind in knowing that a redundant Amplifier is available in the event of a hardware issue
### TECHNICAL SPECIFICATIONS

**RF SPECIFICATIONS**

**Transmit:**
- Control of Wavestream amplifiers in a 1:1 configuration
- Automatic switchover on amplifier failure with support or manual override

**Receive:**
- User selectable switching mode
- Receive waveguide switch can follow transmit on failure or switch independently

**Switch:**
Contact Wavestream for supported waveguide switches

**Control:**
All features can be configured via the front panel or remotely via Ethernet console port

**Lamp Test:**
Tests display and LED

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**STATUS LEDS**

**SSPA A/B:**
Blue LED indicating active amplifier

**TX Active:**
Green LED indicating amplifier is enabled

**Summary Fault:**
Red LED indicating fault with the amplifier

**Serial Link:**
Green/Red LED indicating Real-time status of the amplifier

**10 MHz Lock:**
Green/Red LED indicating Lock status of the amplifier

**LNB A/B:**
Blue LED indicating active receive path

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**INTERFACES**

**SSPA A:**
DB-9 Female, RS-485 connection to Amplifier A

**SSPA B:**
DB-9 Female, RS-485 connection to Amplifier B

**TX:**
10-pin Military Circular Connection to Transmit waveguide switch

**RX:**
10-pin Military Circular Connection to Receive waveguide switch

**Alarms:**
DB-15 Female, Input and Output discrete alarm signals

**Console A:**
Ethernet, RJ-45; Remote Monitor and Control interface for NMS integration

**Console B:**
USB, Firmware upgrade port

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**POWER**

**AC Power:**
90-264 VAC, 50-60 Hz

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**PHYSICAL**

**Size:**
19”L x 9.6”W x 1.75” (1U) H

**Weight:**
5 lbs

**Operating Temperature:**
0° C to +50° C

**Relative Humidity:**
95% Condensing

**Shock & Vibration:**
MIL-STD-810E, method 514-4

**Altitude:**
10,000 ft above sea level (operating)

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**BASE MODEL**

RMC-RRS011-HE01