



Model Number: 2776-xxxx

RF Engineering
and Custom Build

2 port LNB Power Supply

With bias tee DC injectors, switchable 13/18V & 22KHz tone, current monitoring and local & remote control



Front View of Model 2776-xxxx

This ETL LNB hot swap power supply unit provides DC power for up to 2 LNBs via 2 bias tee DC injectors on the rear of the unit. This can be switched between 13/18V and 22KHz tone on/off, both locally via push buttons on the front panel and remotely via a serial or Ethernet port.

The Ethernet port has the facility for communications via TCP port, SNMP and a web browser interface.

An LNB status LED is provided on the right hand side of the front panel. LNB current monitoring can also be done via the serial and Ethernet port provided on the rear panel.



Rear View of Model 2776 with 50 ohm N-type connectors (other connectors available)

The unit also benefits from dual redundant hot-swap power supplies, which can be removed from the rear panel. Each power supply has an individual visual status LED on the front and rear panel; and can also be monitored via a dry contact alarm port.

This unit is available in a variety of impedances and connector types.





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2 port DC Inject LNB Power Supply with bias tee DC injectors,
switchable 13/18V & 22KHz tone, current monitoring and local
& remote control

Technical specifications and operating parameters

PROVISIONAL SPECIFICATIONS

RF Parameters

Capacity	2 port DC Inject Modules	
Tone Injection	22KHz nominal $\pm 0.5V$	
Frequency Range	850-2150MHz (L-band)	
Insertion Loss	<1 dB	
Return Loss	50 Ω	15 dB typical
	75 Ω	10dB typical

System Control

Display	Front Panel LED's for Power, PSU & LNB status	
Alarms	For low/high LNB current & PSU failure	
Remote Control & Monitoring	Via Serial (RS232/422/485) and Ethernet (RJ45) Ports	Enables selection of voltage and also monitoring of LNB current and alarm status
Local Control	Via front panel push buttons to select 13/18V & 22KHz Tone	

Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Physical

Input Connector	BNC/SMA/N-type/F-type
Input Impedance	50 Ω /75 Ω
Output Connector	BNC/SMA/N-type/F-type
Output Impedance	50 Ω /75 Ω
Dimensions	2U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power

AC Power	85-264V AC (50/60Hz), Fused 2A	
LNB Power	13/18V nominal switchable	500mA fused & monitored
PSU	Dual Redundant	
Hot-swap PSU	Yes	

Key Features

Provides DC power via 2 DC injectors
Local & Remote Control
LNB Current Monitoring
Dual redundant hot-swap power supplies
Switchable 13/18V LNB Powering & 22KHz Tone

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