



# Quad LNB Power Supply with 10MHz inject & current monitoring

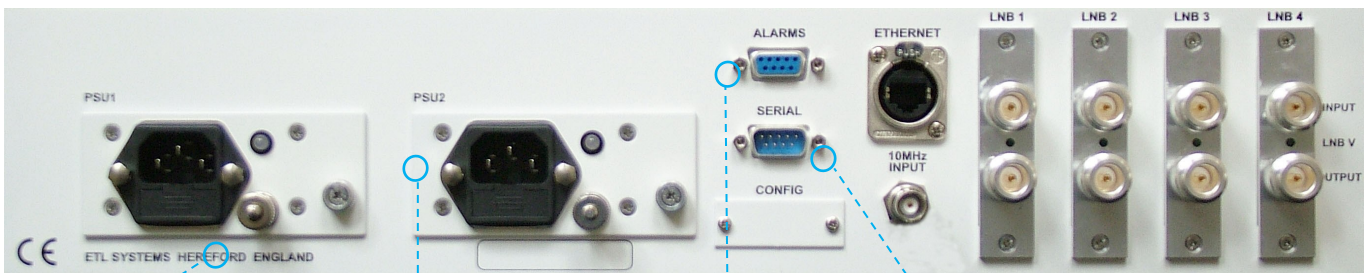
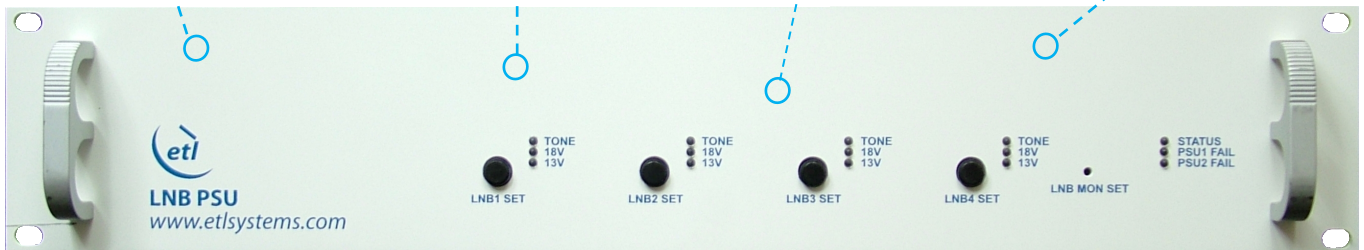
- Typical applications:**
- Large satellite teleports with multiple dishes.
  - Satellite dishes with single, dual or quad LNBs fitted.
  - Monitoring within an M & C system

**10MHz inject**  
from external source

**Local control** via front panel push buttons to select 13/18V & 22KHz Tone

**850 - 2150 MHz**  
operating frequency range

**Compact**  
housed in a 2U high chassis



**Hot-Swap**  
power supplies &  
DC inject  
modules

**Resilience**  
from dual  
redundant  
power supplies

**Dry contact alarm port**  
for low/high LNB current or  
PSU failure

**Remote control** via  
Serial (RS232/422/485) &  
Ethernet (RJ45) ports for  
web browser interface





**Technical specifications and operating parameters**

RF Parameters						
Capacity	Four DC inject modules					
Frequency Range	850-2150 MHz (L-band)					
Connector & Impedance	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	< 1 dB	< 1 dB	<1 dB	< 1.3 dB	< 1.3 dB	
Flatness	±0.2 dB	±0.2 dB	±0.2 dB	±0.6 dB	±0.6 dB	
Input Return Loss	Typical	17 dB	16 dB	16 dB	12 dB	10 dB
	Minimum	12 dB	12 dB	12 dB	7 dB	6 dB
Output Return Loss	Typical	16 dB	15 dB	15 dB	12 dB	10 dB
	Minimum	12 dB	12 dB	12 dB	7 dB	6 dB
10 MHz Inject	10MHz input port (BNC 50ohm) to all DC injector module input ports		From external source to all LNB inputs simultaneously. (Max input for 1dB compression +5dBm ±2dB)			
LNB Power	13/18V nominal switchable		350mA, fused (polyfuse) & monitored nominal per channel. 25W total available from all channels & up to 50mA on any channel.			
Tone Injection	22kHz nominal ±0.5V		Switch-able			

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing

System Control		
Display	Front panel LED's for Power, PSU and LNB status.	
Local Control	Via Front Panel push buttons	
Remote Control	Via RS232/485 serial port and RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser interface.	
Alarms	Dry contact (D-type) and Ethernet (RJ45)	For low/high LNB current or PSU failure.

Power		
Input RF Power	16dBm	Absolute Maximum
PSU Power	85-264Vac 50-60Hz	Fused 2A
PSU Redundancy	Dual redundant & Alarmed	Diode OR
Hot-swap PSU	Yes	
AC Consumption	40W	Maximum consumption at steady state

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	4 kg
Colour	RAL9003 - White (Semi-Matte)

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.  
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

