



Model Number: 2764-F7B7

RF Engineering  
and Custom Build

# 16 port LNB Power Supply

With switchable 13/18V & 22KHz tone & current monitoring (via RS232/422/485 Serial Port)



Front View of Model 2764-F7B7

This ETL LNB hot swap power supply unit, provides DC power for up to 16 LNBs. This can be switched between 13/18/0V and 22KHz tone on/off, both locally on the rear panel and remotely via a serial port. LNB current monitoring can also be done via the serial port on the rear panel, and front panel tri-colour LED's provide a visual status for each LNB port.

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



Rear View of Model 2764 with 75 ohm F-type connectors

This particular unit has 75 ohm F-type connectors (IN) and 75 ohm BNC connectors (OUT), but a range of impedances and connector types are available (model numbers will vary).





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tone & current monitoring

## Technical specifications and operating parameters

RF Parameters	
Capacity	16 port
Frequency Range	850-2150 MHz (L-band)
Tone Injection	22kHz nominal $\pm$ 0.5V, switchable

System Control	
Display	Front Panel LED's for LNB Power & PSU status
Current Monitoring	Current for each LNB monitored & reported via Serial Port
Alarms	For low/high LNB current & PSU failure
Remote Control	Via RS232/422/485 Serial Port
Local Control	Via push buttons on rear panel 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	F-type
Input Impedance	75Ω
Output Connector	BNC
Output Impedance	75Ω
Dimensions	4U high x 350mm deep x 19" wide
Weight	12 kg
Colour	White 00-E-55 semi-gloss (Front panel)

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

Key Features	
Switchable LNB power & 22KHz tone	
Dual redundant hot-swap power supplies	
Current monitoring via rear panel serial port	

ETL SYSTEMS LIMITED  
Coldwell Radio Station  
Madley  
Hereford  
England HR2 9NE

TELEPHONE  
+44 (0)1981 259020  
  
EMAIL  
info@etlsystems.com

FACSIMILE  
+44 (0)1981 259021  
  
WEB  
www.etlsystems.com

