



Model Number: 2773-S5S5

RF Engineering
and Custom Build

16 Port LNB Service Shelf

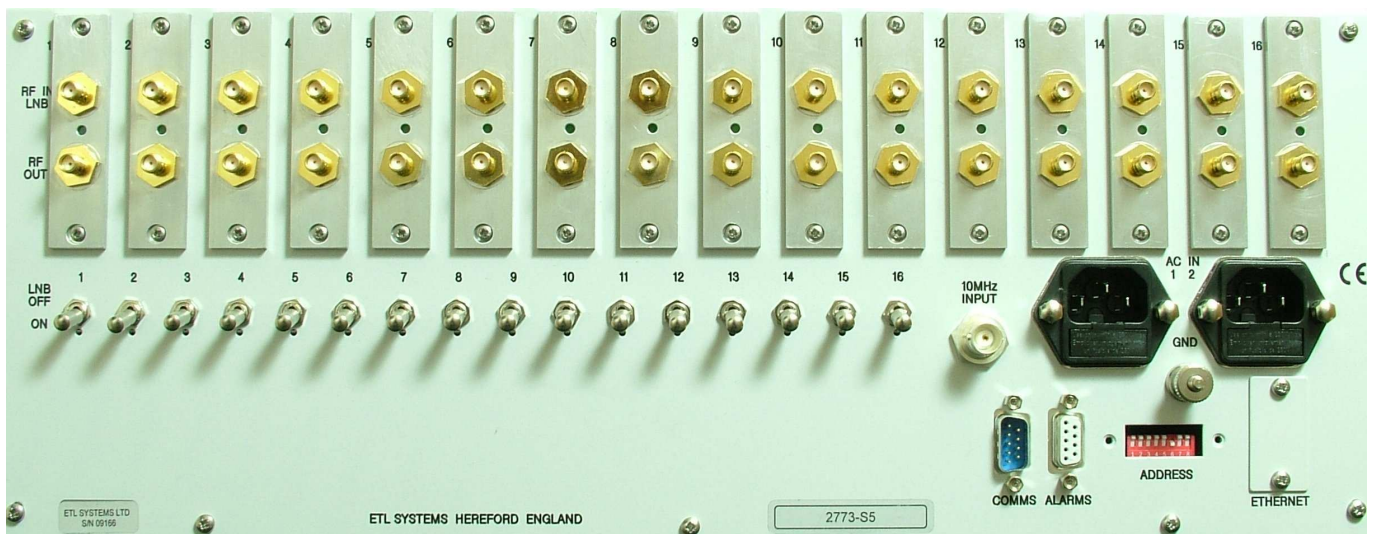
Injecting 18V DC and an external 10MHz reference, with current monitoring



This ETL LNB service shelf, provides DC power and 10MHz reference for up to 16 LNB's. This can be switched on/off individually for each LNB locally from the rear panel. This unit benefits from dual redundant hot-swap power supplies which can be removed via the front panel.

Front View of Model 2773-S5S5

An external 10MHz signal can be applied via the 10MHz Input port on the rear panel and is injected on to each of the RF input ports (LNB's).



Rear View of Model 2773-S5S5

The unit also includes LNB current monitoring via the front panel tri-colour LED's which provide a visual status display, or via a remote communications port on the rear panel.

This particular unit is supplied with 50 ohm SMA connectors, but other connector types and impedances are available.





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Technical specifications and operating parameters

RF Parameters

Capacity	16 port
Frequency Range	850-2150 MHz (L-band)
L-band Insertion Loss	0.4 dB \pm 0.2 dB nominal mean across band
Flatness	\pm 0.2 dB
10MHz Ref. Input	50 Ω BNC nominal 3 dB insertion loss
Input Return Loss	> 12 dB typical
Output Return Loss	> 12 dB typical

System Control

Local Control	Switchable 18V on rear panel
Remote Monitoring	Via RS232/RS485 Serial Port on rear panel (or optional RJ45 Ethernet Port)
Display	Front panel LED's for current monitoring and PSU status
Alarms	Dry Contact Alarm Port on rear panel for PSU failure

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	SMA
Input Impedance	50 Ω
Output Connector	SMA
Output Impedance	50 Ω
Dimensions	3U 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	18V nominal, 500mA fused and monitored
PSU	Dual redundant
Hot-swap PSU	Yes

Key Features

Switchable LNB power (on/off)

LNB Current Monitoring

10MHz Reference Injection

Dual redundant hot-swap power supplies

Hot-swap bias tees/multiplexers

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