

Technical Data

A751 addRELAY UHF Repeater Station



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- Device type**
 Remote Transmission Unit
- Product highlights**
 IP-67; Ultra low power design; Cost effective solution to extend range of other short or large range UHF radio loggers by 20km and more depending on installation; Same major components as other data loggers
- Data transmission**
 Radio communication (430-470MHz), 500mW

Customer feedback has triggered the development of the A751 addRELAY. In difficult terrains or to bridge large distances the A751 is the solution to many transmission problems.

Mechanics:	
Dimensions	160 x 60 x 80 mm (6.3 x 2.4 x 3.1 inch)
Weight	1150g (2.5 lb)
Protection Type	IP-67
Power Supply	internal 6.2V NiMH battery, charged by solar panel or mains adaptor
Connectors	1 x Binder M9 5-pin female for solar panel or mains adaptor 1 x TNC antenna connector
Mounting	Mast mounting bracket
Antenna	Rigid, omnidirectional, TNC, 2dB gain
Operating temperature	-30°C ... +65°C (-22°F ... +145°F)

Data transmission:

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Tx Output Power	500mW
Rx Sensitivity	-120dBm (10 dB S/N)
Transmission Distance	up to 20km (12 miles), depending on topography and installation
Operating Frequency	430 ... 470MHz (in 4 bands of 10MHz each)
Channel Spacing	10 / 12.5 / 25kHz (factory preset)
Approvals	R&TTE, CE, FCC, Industry Canada, ACMA Australia