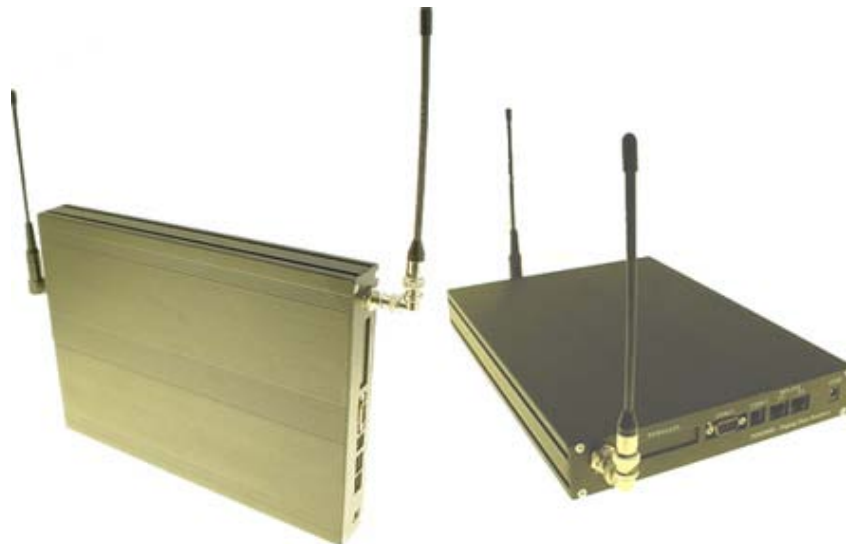




## SPPSF

### Pocsag Store & Forward Repeater



#### General Description

The SPPSF is a low cost pocsag store and forward paging repeater available with a 5W transmitter which may be boosted up to 25W with an optional RF power amplifier.

The SPPSF can be used for improving in-building coverage or infill for coverage blank spots.

The SPPSF receives either pocsag or Flex paging signals from a wide area carrier or other local transmitter and retransmits pocsag locally or acts as a link for further transmissions. It includes a programmable transmit delay.

It is also capable of locally switching up to 4 relays and monitoring up to 12 local alarms.

#### Applications

Coverage Infill

Cross band repeating (Flex to pocsag)

In-building coverage expansion

Cross frequency repeating

Network expansion

#### Features

Retransmit all capcodes or just a selection

Up to 12 local alarms may be monitored

Local message input available

Relay control outputs (4), capcode & message activated

Battery backed real time clock

Receivers available for most paging bands

VHF & UHF Transmitters available

#### Specifications

<b>Receiver</b>	Synthesised	<b>Transmitter</b>	FM/FSK NRZ
<b>Frequencies</b>	148-174, 450-470, 929-932 MHz (Other frequencies by request)	<b>Power output</b>	5W standard (other available on request)
<b>Protocols</b>	Pocsag & Flex	<b>Power</b>	12-32 V DC/AC (12VDC Nominal)
<b>Channel Spacing</b>	25 KHz	<b>Current</b>	30mA on standby, 1.2A transmitting
<b>Data Reception Rate</b>	512-2400 bps (Pocsag) 1600/2-6400/4 (Flex)	<b>Physical</b>	200 x 230 x 38mm (Excluding connectors and flanges)
<b>Frequency Deviation</b>	+/- 4.5 KHz	<b>Operating Temperature Range</b>	-10oC to 70oC
<b>Receiving Sensitivity</b>	5 uV at 1200 bps	<b>Antennae connectors</b>	BNC
<b>Selectivity</b>	better than 60 dB	<b>Relay ratings</b>	1A @12VDC
<b>Image Rejection</b>	better than 55 dB		
<b>Spurious Rejection</b>	better than 55 dB		
<b>Frequency Stability</b>	10 ppm at -10C~+60C		

#### Options & Accessories



Standard accessories



Plug pack power supply (option)



SPP Programming Kit