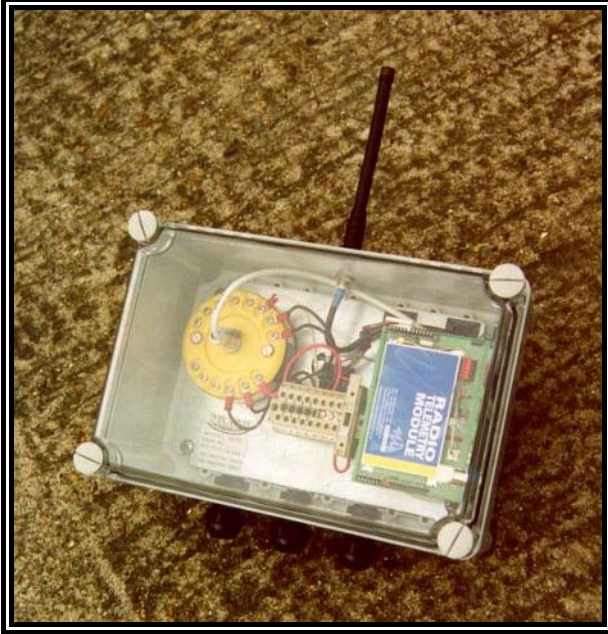


PELANGI

PELANET

REMOTE RADIO LINK

Compact UHF radio link designed for linking into the Pelangi PELANET monitoring system or synchronising of buoys and beacons.



Shown here as Remote self contained IP67 enclosure housing COMMUNICATOR flasher, UHF radio and short range aerial .

Operating Frequency (Licence exempt)
458.5 Mhz to 458.95 Mhz
in 12.5 or 25 KHz channel spacing.
Voltage : 10 -15 volts DC
Current : 0.25amps @12 volts

Option to operate through a "Sleep Mode" Power management Card if radio power consumption critical when operated from a small solar power source.

Dimensions : 270 x 135 x 140 mm deep
Weight : 3.5 Kgs



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Designed for direct connection to the COMMUNICATOR flasher for maximum versatility and no communication costs.

- Available in the following frequencies:
 - VHF from 125 to 180 MHz
 - UHF from 390 to 490 MHz
 - UHF from 868 to 870 MHz
- Certified under the following specifications EN 300 220 and ETS 300 086
- Low Transmit and receive power drain enables unit to be easily powered from solar and permits a licence exempt status in U.K.
- Standard 0.5 watt Module achieves over 12 miles range with other powers available for greater ranges with licence in 430-470 MHz.
- Radio provides "On Board" LED indicators for easy site observation of Tx/Rx and data status.
- Low power consumption allows connection to existing power sources without the need to upgrade if interrogation kept to daily contact.
- Can be supplied for retro fitting in two options:
 - Option No1 - Aerial and Modem in self contained unit with COMMUNICATOR remaining in lantern.
 - Option No 2 - COMMUNICATOR and Modem mounted together with aerial (as shown) or larger 3 db or 5db gain antennas.
- Master site can either be (as shown) mounted on a mid channel buoy or shore station to provide synchronisation of flash characters or alternatively, the master station can be just a radio modem connected to a PC housed in port control providing both synchronisation and remote monitoring. (see PELANET MONITOR leaflet for more information)
- PELANET Remote monitoring master can be added at a later date without altering the remote sites when budget is available thus upgrades can be added on an as required basis in the future.
- System can be expanded to incorporate the 2 monitor and 2 control points facilities plus analogue voltage provided for in the COMMUNICATOR .


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REMOTE RADIO LINK

Station Details
View Print

Sector Light



Operating O.K.

STATION INFORMATION

Light Colour	Sectored
Range	10nm White, 8nm Red/Green @ 0.74
Character	Occ ev 10.0 sec
Sector	4d Red, 2d White, 4d Green Bearing Line 252 deg
Power Source	Solar
Battery	12v 115 Ah
Lantern	PL-250 Acrylic
Light Source	35w PA-6 Changer
Flasher Type	Communicator
Communication	Uhf 458Mhz Ch 1

STATION STATUS

Station Address	125
Current Lamp Hours	66.16
Previous Lamp Hours	0.00
Battery On Load Vdc	14.3
Battery Off Load Vdc	14.3
Lamp Number In Use	1
Flasher Status	Light On
Monitor Vdc	0.0
Monitor Input 1	Off
Monitor Input 2	Off
Global Pec Mode	Normal
Last Message	Time: 01:48:44 Date: 10/08/01

POSITION STATUS

Latitude:	00:00.00
Longitude:	000:00.00
Admiralty No:	3459
Position Status:	Fixed Site

MENU
Show Flasher Details
Return To Chart

CONTROL OUTPUTS
 (1) Boost Charger

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Typical layout of an actual screen :

Features:

- Each site is provided with a actual site picture for recognition by system operators.
- Blue information section lists the site's equipment and characteristics.
- Yellow panel shows monitored parameters up dated each time the site is interrogated.
- **Pull Down Menu** lists history of last 100 interrogations to enable review of the site's development at a glance.
- A Site status box changes colour and text to indicate at a glance if site is operating correctly. Alarm levels can be set for optional manual acknowledgement by operator.
- A Harbour chart screen shows the station status colour within each station's name button.
- **Synchronisation** of multiply buoys easily achieved within system at no extra cost.

Control Outputs:

Up to 2 are set and labelled with their specific functions for ease of Port control.

Global Commands:

Photo cell override and Sycronisation.

Monitor points:

Up to 2 are provided and labelled within the Yellow box of station status. Additional analogue voltage "Monitor Vdc" can be set to monitor a external Voltage such as Wind speed , Wave or tide height or any other specialised equipment providing a voltage output.



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