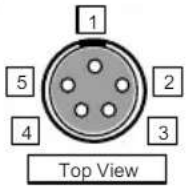
Lemo Pin-Out:



1: 0v (AF)
2: Balanced AF (-)
3: Ext. DC 9v
4: 0v (DC)
5: Balanced AF (+)

Note that pins 1 and 4 can be tied together.
Separate 0v connections are provided purely for convenience.

System Specifications:

Microprocessor Controlled Diversity Operation
Sensitivity: 0.5µV (12dB SINAD)
Audio Output: Electronically Balanced, Variable Level (-24dBm to 0dBm)
Headphone Output: 50mW (16 Ohms), Variable Level
Audio Frequency Response: 40Hz to 18kHz
Audio SNR: >110dBA
DC Input: 8v to 20v, 50mA

Guarantee:

All Trantec products are guaranteed for a period of one year from date of purchase against defects in materials and workmanship. In the event of a claim under guarantee the system should be returned to your dealer in its original packaging and with proof of purchase. Defects caused by modification, misuse or accident are not covered by the guarantee.

Trantec Systems
BBM Electronics Group Ltd
Kestrel House
Garth Road
Morden
Surrey
SM4 4LP

Tel: (0181) 330 3111
Fax: (0181) 330 3222

E-Mail:enquiries@trantec.co.uk

Web Site: www.trantec.co.uk

TRANTEC SYSTEMS

S5000 ENG Portable Diversity Receiver

Instruction Manual

Revision 1.1, March 1999

Introduction:

The S5000 ENG is a portable high quality mono diversity UHF receiver that is designed to operate in conjunction with S5000 transmitters. It has variable level headphone and balanced line outputs and can be configured to work on any frequency from up to 64 stored in 4 banks of 16. Note that the selection of frequencies can be changed using the separately available Trantec programming software for Windows™ and a special programming lead.

Basic Operation:

The ENG receiver has two outputs – balanced via a Lemo connector (*F*) and a stereo 3.5mm headphone jack (*C*, wired same both sides). Both outputs can be used simultaneously. The Lemo connector also has an external DC input intended to allow the ENG receiver to be powered from a camera. The pin-out of this connector is shown on the back page of this manual.

Screw in both antennas to sockets (*B*) and (*G*), connect the required audio outputs and switch the receiver on. The power switch (*E*) is off in the centre, battery power when away from the red LED and external DC power when next to the red LED. The receiver is protected against reverse polarity. The red LED goes off when the battery has only 1 hour left. The green LED indicates that RF is present.

As the unit is first turned on, the estimated battery life is shown after the initial boot-up message. The unit will then enter whatever menu mode it was left in. See the next section for a description of the various operating modes.

Configuration:

The unit is menu driven using the rotary switch (*D*) on the top panel and the concealed side push button (under the battery cover). Information is shown on the front LCD panel (*A*).

To change the mode, press the push button and to make adjustments in that mode, turn the rotary switch. The mode is shown briefly each time it is changed (and when the unit is turned on). The modes available by pressing the push button are as follows:

Freq:

This is the default operating mode. In this mode, the frequency can be changed by turning the rotary switch. The new frequency will be shown on the display, with a black mark in the bottom left hand corner of the LCD. To activate the new frequency, the receiver must be turned off and back on again. There are 16 frequencies in each bank.

bAnc:

In this mode, the frequency bank can be changed. The change of bank is indicated at the bottom of the LCD. The frequency will change to the first frequency in the new bank, but this change will not be activated until the unit is turned off and back on again. As with the frequency, a black mark is shown when the bank has been changed but the new choice is not yet activated. There are 4 banks available.

rF CUt:

In this mode, the RF mute level is shown on the LCD in µV. This can be changed using the rotary switch and changes are effective immediately.

gAIn:

In this mode, the output level (for a nominal deviation input) is shown in dB. This can be changed using the rotary switch and changes are effective immediately.

A: Front Panel LCD
B: Antenna Connector, Channel A
C: Headphone Output
D: Top Panel Rotary Switch
E: Power Switch
F: 5 Pin Lemo Connector
G: Antenna Connector, Channel B

The Battery slide cover is on the side indicated by G. This covers the battery compartment and the concealed side push switch