

# Talkset



## Applications:

- \* Two Way Communication over one fibre
- \* Network Installation
- \* Confirmation of fibre Integrity

## Features:

- \* Single fibre operation
- \* Hands free operation
- \* 850/1310nm operation
- \* Full Bi-directional speech over a single fibre
- \* Automatic Volume control
- \* Totally immune to EMI
- \* Fully compatible with both single & multimode fibre

## Introduction

The fibre optic Talkset has been designed as a long range, 4Km, audio communication set for use on installations of both single and multi-mode fibre cable.

The set comes complete with two transceivers, ear piece, microphone, and fibre optic connector adapters all in a convenient case.

The introduction of voice activated circuitry provides low current consumption and long battery life.

On each Talkset unit there is one volume control which adjusts the audio level to the earphone.

The audio input is also through the 3.5mm stereo socket. This accepts the electret microphone provided.

## Link Specification

Operating Distance: Up to 4Km operating distance 50/125 or 62.5/125 fibre

Infra red spectrum: 850nm and 1310nm

Frequency response: 300 Hz to 3 KHz  $\pm$  3dB

Total Harmonic distortion: Less than 3%

## Standard Configuration

<b>Audio output power:</b>	300mW nominal
<b>Audio impedance:</b>	< 8 Ohms
<b>Output connector:</b>	3.5mm Stereo Jack socket
<b>Output level:</b>	Adjustable with AGC level control to 2.5rms (dependent on optical power received)
<b>Optical input power range:</b>	1 $\mu$ W -174 $\mu$ W
<b>Power requirements:</b>	9 volts (PP-3 Battery) approx. 15mA (Active) 1.5mA (Sleep Mode), 1 week normal use/battery
<b>LED indicators:</b>	Power
<b>Light detector:</b>	Pin diode
<b>Wave length:</b>	850nm, 1310nm
<b>Optical connectors:</b>	ST (with adapters for other connectors)
<b>Construction:</b>	Hand Held Unit with Belt Clip
<b>Overall size:</b>	28mm x 68mm x 112mm
<b>Overall weight:</b>	0.2kg
<b>Operating temperature:</b>	0°C to + 40°C
<b>Storage temperature:</b>	-20°to + 70°C
<b>Humidity:</b>	90 % non-condensing

Manufactured in the UK  
to ISO9001:2008 standards.



### M&N Technical Services Ltd.

8 Copthorne Business Park, Dowlands Lane, Copthorne, Crawley,  
West Sussex. RH10 3HX  
United Kingdom.

Tel: (+44) (0) 845 838 8850 Fax: (+44) (0) 01342 715384  
Web: [www.mntech.co.uk](http://www.mntech.co.uk) email: [info@mntech.co.uk](mailto:info@mntech.co.uk)



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