



Wall Display User Manual



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Preface

Important Installation Information

Installation must only be undertaken by a competent person (defined as a person with relevant and current training and experience, with access to the requisite tools, equipment and information, and capable of carrying out the task), who shall ensure that all work is carried out in compliance with national wiring regulations and applicable standards. This instruction manual is intended for use only by persons with a reasonable knowledge of electrical, electronic & **Radio** equipment, industry standard conventions and terminology.

For UK equipment, Scope has no control of the use and application of the frequencies issued by OFCOM. Some equipment that is licensed may have greater protection than other equipment which is operated on a WT Act License Exempt basis.

Important Safety Information

Scope products are designed to operate safely when installed and used according to general safety practices. The following requirements should be observed at all times:

This equipment is designed for indoor use, unless expressly stated otherwise, and must not be used in classified Hazardous Areas, including areas containing explosive or flammable vapours, unless express authorisation has been given in writing by the manufacturer. If in doubt, consult your local product dealer for further information.

Do NOT subject this equipment to:	Mechanical shock Electrostatic discharge Excessive humidity	Moisture Extremes of temperature Corrosive liquids
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Do not obstruct any slots or openings in the product. These are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. Only use a damp cloth for cleaning (not liquid or aerosol-based cleaners) and ensure that any power is removed from the unit prior to beginning the cleaning operation. Removal of covers from the equipment must only be undertaken by authorised service personnel, who must ensure that power is isolated prior to removal.

Liability

Scope does not accept liability for any damage or injury, howsoever caused as the result of misuse of this equipment. It is the responsibility of the user to ensure that the equipment is operated in the manner for which it was intended and that it is the correct item of equipment for the required task.

Warranty

This product is warranted as free from defects of workmanship and materials for a period of one year from the original purchase date. During this time, if there is a defect or malfunction of this product, Scope will, with proof of purchase, repair or replace at its discretion any defective parts, free of charge. This does not include where the adjustments, parts and repair are necessary due to circumstances beyond the control of Scope, including but not limited to fire or other casualty, accident, neglect, abuse, abnormal use or battery leakage damage.

WARNING! No User Serviceable Parts

Alteration or modification to any part of this equipment, without the prior written consent of the manufacturer, will invalidate all approvals and warranties attached to the equipment. Further liability for the operation of the equipment, under applicable law, will pass to the person making the modification, who will absolve the manufacturer of any further responsibility for its correct operation and use.



Do not discard. At end of life this equipment must be sent to an authorised waste treatment centre. Contact Scope at the address below for further details.



The circuit boards within this equipment may be harmed by Electrostatic Discharge (ESD). Installers should ensure that both themselves and the system's chassis are grounded before beginning any installation, and should ensure that adequate anti-static procedures are adhered to at all times.

1. Introduction

The indoor LED displays from Scope are equipped with a built-in POCSAG receiver and are crafted to be not only bright but also incredibly versatile. With their sleek design and vibrant LEDs available in four different colours, they guarantee that your message will leave a lasting impression.

They have a range of up to a mile, which may vary depending on the equipment and the surrounding environment.

You can effortlessly share information and alerts with others through this clear scrolling display. The moving message LED display is perfect for use anywhere within the telemetry / paging network.

Installation is a breeze; the display comes preprogrammed as standard and only needs to be mounted on a wall or ceiling and connected to the main power supply.

This LED display caters to a wide array of messaging and informational requirements, including campus emergency mass alerts, information sharing, fire alerts, lockout notifications, nurse calls, catering, and security announcements.

If you have any questions at any point—before, during, or after the installation of this equipment—please don't hesitate to contact the Scope technical support team for assistance, especially if this is your first time using this type of system.

Safety Instructions

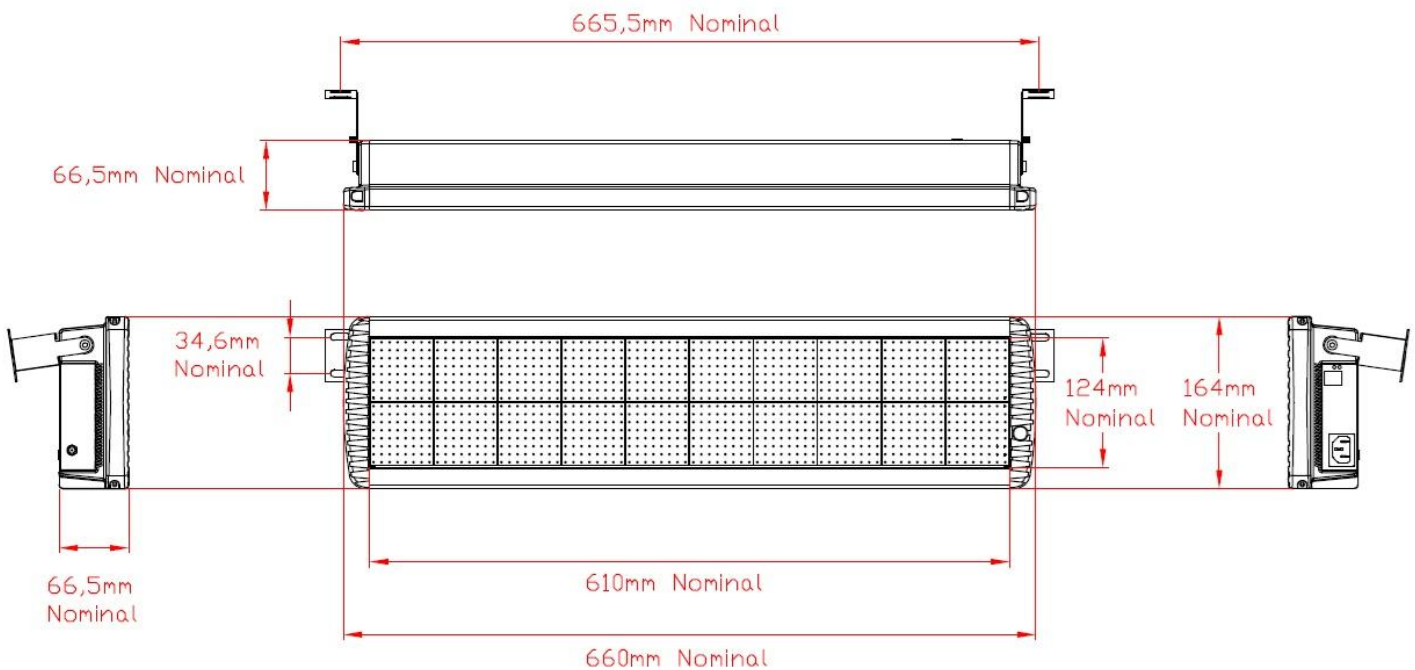
- Please keep the display away from any heat sources. Place the display in a stable and well-ventilated place.
- Remove protective covering from the screen before you use the display.
- Shut off the power supply and allow for discharge before cleaning. Use a soft lint-free cloth instead of a tissue to wipe the screen.
- You may use a glass cleaner to clean the product as required. However, never spray the cleaner directly onto the display surface, whilst the unit is depowered and all moisture/liquid must be removed before repowering.
- Do not attempt to repair this product yourself! Improper disassembly of the product may invalidate the warranty and lead to possible danger
- If you have a problem that cannot be solved using the "Troubleshooting" guidelines, please contact your supplier.

The product should not be exposed to liquids dripping or splashing and no objects filled with liquids, such as vases, should be placed on or near the product.

Box Contents

- 1 x LED Display.
- 1 x Mounting Plate (with Security Screw).
- 1 x Mains Power Cable.
- 1 x User Manual.
- 1 x Aerial.

Product Overview



Optional antennas

<https://tinyurl.com/hpwx6wm8>

SCOPE TECHNICAL SUPPORT call:01803 860700 (normally available 0830–1730 Mon–Fri)

email: support@scope-uk.com

Scope Communications UK Ltd

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Specification:

Supply Voltage: 110-240vac

Mains Power Consumption: Message dependent, but typically 13W, maximum 26W

Input: SMA antenna

Dimension (mm): 677 x 162 x 70mm

Weight: N.W. 2.7kgs, G.W. 3.8kgs (volumetric for shipping usually 4.6kgs)

Standards & Certifications: RoHS, CE, LDV, and REACH

Character Size: Various fonts available including 5, 7, 10, and 15 pixels high, providing heights of 38, 53, 76, and 114mm.

Display memory: Limited to RAM only (768 bytes available for messages). Message Queue of max 5 messages (120 bytes + 1 byte Beep (colour) Type each).

Mounting: M4 threaded bush on either end of the display. Simple angle bracket supplied (2x).

LED pixel: Bi-Colour (Red/Green)

Operating Temperature: 0 - 70 deg C

Display Colours: Red, Green, Amber, and Mixed

Display Resolution: 80 x 16 pixels (WW x HH)

Warranty: 1 year

Message length: 120 characters (Including spaces and all characters)

Supplied with power leads, wall mounting brackets, and SMA antenna.

Sounder: Onboard

Frequency: 430 - 470MHz

Channel Spacing: 12.5KHz or 25 kHz

Frequency Deviation: +/-2.5KHz or +/-4.5kHz

RF Baud Rate: 512/1200 Hz

Receiver Performance: Blocking: Cat 1.5, EN 300 220-1 V3.1.1

Sensitivity: -117dbm for 1% error

Compliance:

Radio Equipment Directive

2014/53/EU

ROHS Directive (EU) 2015/863

Standards Applied:

EN 300 220-1 V3.1.1 (Radio)

EN 301 489-1 V2.2.1 (EMC)

EN 62368-1: 2020 (Safety)

Standards & Certifications: RoHS, CE, LDV, and REACH



This product complies with the essential requirements of the Radio Equipment Directive 2014/53/EU and the ROHS Directive 2011/65/EU. Copies of the Declaration of Conformity covering this product can be obtained from Scope at: Quantum House, Steamer Quay, Totnes, TQ9 5AL, United Kingdom.

The supply of this equipment is governed by our standard terms and conditions of sale, which can be provided on request.

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