The SCU-30 is a wireless access point supplied with 5 feet of cable that plugs into RAM Connector of your compatible Standard Horizon VHF radio to wireless connect with the SSM-71H Wireless Remote Access Microphone RAM4W. Please refer to the STANDARD HORIZON products catalog or web site for compatibility.

**Owner's Manual**

The details of the installation of the SCU-30 are included in the owner’s manual of the compatible fixed mount radio, or can be downloaded at www.standardhorizon.com.

**Supplied Accessories**

- Antenna Unit (5 feet cable) .................................................................................................................... 1
- Antenna Base (Socket, Part number: RA6054200) ................................................................. 1
- Screws (M3X8 SUS, Part number: U20308020) .................................................................................. 3

**Installing**

The SCU-30 is designed to be mounted on a base, installed on an extension pole or flush mounted. Choose a location for the antenna unit that has not located within 3 feet of radar or other transmitting antenna. Ensure there are no major obstructions or fixtures in the immediate proximity to the antenna unit. If you are unsure of the location, temporarily mount the antenna to verify correct operation. If mounted close to a radar, turn on the radar and check to verify correct operation.

**Compass Safe Distance**

This antenna unit at least 0.2m (0.66 feet) from magnetic compass.

**Base Mounting the antenna**

The thread used on the base of antenna (1 inch, 14 TPI) is an industry standard used on a wide range of commercially available mounting brackets or extension poles. Due to the manufacturing process of the mounting brackets, the antenna may not tighten all the way down onto all the threads. This is of no concern however as the antenna must be tightened until the antenna stops rotating.

1. When passing the antenna cable through a mounting bracket or extension pole, make sure to pass the cable through the antenna base.

**NOTES:**

- When routing the antenna cable along the outside of the extension pole, pass the cable through the groove as shown by the dotted lines in the figure on the right. (Please cut the blank panel with a long-nose pliers.)

**Flush Mounting the antenna**

**NOTE:** Before drilling the mounting holes, it is recommended to verify correct operation in the desired location.

1. To ease installation use the supplied flush mount template.
2. Apply the flush mounting template sticker.
3. Drill the 0.78” (20 mm) and 0.13” (3.2 mm) holes, and remove the template.
4. Insert the cable into the 0.78” (20 mm) hole and route to the transceiver.
5. Apply a small amount or RTV to the underside of the antenna.
6. Place the antenna and screw into place using the supplied screws.

**Template**

Use this template to mark the location where the hole for the flush mount is to be cut.
**RF Exposure**
The RF output power of the module is 0.095 Watts. This power output is below the RF exposure threshold for use mobile devices. See FCC document KDB 447498 for additional information.

**FCC Notice**
Unauthorized changes or modifications to this equipment may void compliance with FCC Rules. Any change or modification must be approved in writing by STANDARD HORIZON.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**ATTENTION – Conditions of usage**
This transceiver works on frequencies that are regulated and not permitted to be used without authorisation in the EU countries shown in this table. Users of this equipment should check with their local spectrum management authority for licensing conditions applicable for this equipment.

| Country | AT | BE | BG | CY | CZ | DE | DK | EE | FI | FR | GB | GR | HR | HU | IE | IT | LU | LT | MT | NL | NO | PL | PT | RO | SK | SI | SE | CH | IS | MT | CY | NL | PL | PT | CZ | DE | RO | SK | SI | SE | CH | IS | MT | CY |
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**Specifications**
Supply Voltage: Normal: 13.8 VDC (Supplied from the transceiver)
Power Consumption: 1.4 W (Max.)
Operating Temperature: -4°F to +140°F (-20°C to +60°C)
Storage Temperature: -22°F to +185°F (-30°C to +85°C)
Wireless Networking Module: FCC ID: K660A300910, IC: 511B-0A300910
Frequency Band: 2412 to 2462 MHz
RF Output Power: 0.095 W
Wireless Networking Standard: IEEE 802.11 b/g/n
Dimensions: 85 x 30 mm in height (flush mounted) or 60 mm on base mount
Weight (approx., without cable): 2.8 oz (80 g)
Cable (approx.): 5 feet (1.5 m)

* The original Gainspan Corporation grant notes indicate that the module was approved as single modular approval. The module is only approved for use in mobile configurations.
* This module is for Yaesu Musen Co., Ltd’s internal use only for their host, model SCU-30 which is an access point.

**EU Declaration of Conformity**
We, Yaesu Musen Co. Ltd of Tokyo, Japan, hereby declare that this radio equipment SCU-30 is in full compliance with EU Radio Equipment Directive 2014/53/EU. The full text of the Declaration of Conformity for this product is available to view at http://www.yaesu.com/jp/red

**Disposal of Electrical and Electronic Equipment**
Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste. Electronic and Electrical Equipment should be recycled at a facility capable of handling these items and their waste byproducts.

**Specifications**
- Supply Voltage: Normal: 13.8 VDC (Supplied from the transceiver)
- Power Consumption: 1.4 W (Max.)
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