



Multi band & Multi purpose antenna  
80m .... 6m Band

# User manual for Radioddity HF-010

V1.1, March 2026

## Table of contents

	<b>About Radioddity .....</b>	<b>3</b>
<b>1</b>	<b>Revision history of this document .....</b>	<b>4</b>
<b>2</b>	<b>What is included in the box? .....</b>	<b>5</b>
<b>3</b>	<b>Accessories for the Radioddity HF-010.....</b>	<b>9</b>
<b>4</b>	<b>General information.....</b>	<b>10</b>
<b>5</b>	<b>Assembly instructions.....</b>	<b>11</b>
	<i>Basic installation.....</i>	<i>12</i>
5.1.1	Soil installation with Ground spike only.....	12
5.1.2	Soil installation with Ground spike and Tripod mount.....	12
5.1.3	Soil or concrete installation with Tripod mount.....	13
	<i>Installation of antenna elements.....</i>	<i>13</i>
5.2	<i>Quick setup measures.....</i>	<i>13</i>
5.3	<i>Sample installation pictures.....</i>	<i>15</i>
5.4	<i>Adjust antenna.....</i>	<i>17</i>
5.5	<i>Important notes.....</i>	<i>18</i>
5.6		
<b>6</b>	<b>Technical data .....</b>	<b>18</b>
<b>7</b>	<b>Where to look for further information? .....</b>	<b>19</b>
7.1	<i>Radioddity support area.....</i>	<i>19</i>
<b>8</b>	<b>Recycling regulations .....</b>	<b>20</b>
8.1	<i>EU - Recycling Waste of Electrical and Electronic Equipment .....</i>	<i>20</i>
8.2	<i>Entsorgung von Elektro- und Elektronikgeräten .....</i>	<i>22</i>

## About Radioddity

### 'You, our friend and customer, are our focus'

At Radioddity, our customers are important to us. As a customer, your time and money are important to you. When you buy radios online, you face a dilemma: buy from a reputable website at a higher price, or try to save money by choosing a retailer that may not offer quality goods, service or advice. At Radioddity.com, you don't have to choose between low prices and a safe shopping experience. Whether you are a first-time shopper or an experienced radio amateur, we always do our utmost to ensure that you get the best possible value for money. Over the past few years, Radioddity has continuously strived to better meet the needs of wireless equipment buyers and has become a reliable partner. We do this by offering the highest quality products at an affordable price and by providing you with first-class support after-sales support as well warranty cover. Because as our customer, you deserve nothing less.

### Our promise: To offer you the best shopping experience

Strong partnerships enable us to offer you the latest technologies with an excellent price/performance ratio under the Radioddity brand name. Our experienced and responsive customer service team helps us to deliver on our promise to you and better meet your everyday needs. Whether it's offering you the latest and greatest DMR, HF and analog radios, accessories and related products, providing outstanding technical support or working with amateur radio industry leaders to develop helpful content to assist you with your purchase: Your concern is our concern. We want to provide you with quality radios at great prices. If you feel we are not delivering on this promise in any way, please let us know by e-mail:

[support@radioddity.com](mailto:support@radioddity.com)

### Copyright© 2026 by Radioddity

All rights reserved. This manual or any part of it may not be reproduced or used in any way without written permission from the publisher, except for brief quotations in critical reviews and for certain other non-commercial uses permitted by copyright law. For permission requests, please contact the publisher.

## 1 Revision history of this document

We are constantly striving to update our manuals in line with changes resulting from production. If you miss an aspect in this document or believe that something has been described incorrectly or misleadingly, please give us feedback via our central e-mail address [support@radioddity.com](mailto:support@radioddity.com). We will do our best to make the next version of this document even better for our customers.

revision	changes	released
V1.1	<ul style="list-style-type: none"><li>• Added section on accessories</li><li>• Minor corrections and additions</li></ul>	2026-03
V1.0	<ul style="list-style-type: none"><li>• First version</li></ul>	2026-01

## 2 What is included in the box?

Thank you for purchasing a Radioddity HF-010. We recommend that you first check the delivery list below and keep the packaging for possible later usage. If anything is missing or damaged, please contact Radioddity immediately.

#	qty	Description	Picture
1	1	<b>Antenna base</b> HF connector with SO-239 socket (Length 6.5cm (2.6"), diameter 3cm (1.2"), with M8-1.25 female (ground side) and 3/8"-24 male thread (antenna side))	
2	1	<b>Ground spike</b> Length 20cm (7.9"), with a pike on one end and a M8-1.25 male thread on the other end (to be used with "Securing nut" (#3))	
3	1	<b>Securing nut</b> For use with Ground spike, diameter 20mm (0.8"), thickness 5.5mm (0.2"), M8-1.25 female thread	
4	2	<b>Extension rod</b> length 45cm (17.7"), diameter 2cm (0.8"), with 3/8"-24 thread	
5	1	<b>Tunable loading coil</b> sliding adjustable inductance, length 45cm (17.7"), with 3/8"-24 thread	
6	1	<b>Fixed Loading coil</b> inductance for 80m (3.56 MHz), length 13cm (5.1"), with 3/8"-24 thread	
7	1	<b>Telescopic whip</b> stainless steel, max length 275cm (9ft), with 3/8"-24 female thread	

#	qty	Description	Picture
8	3	<p><b>Ground radial wire</b></p> <p>Length 4.8m (15.7ft) with 3mm banana plug on one end, wound onto plastic spools. Unwind as follows:</p> <ul style="list-style-type: none"> <li>• <i>Frequency 50 MHz:</i> 1m (39.4")</li> <li>• <i>Frequency 28.5/25/21.4 MHz:</i> 2m (78.7")</li> <li>• <i>Frequency 14.2 MHz:</i> 3m (118.1")</li> <li>• <i>Frequency 7.1/5.5 MHz:</i> Full length</li> <li>• <i>Frequency 3.56 MHz:</i> No ground wire.</li> </ul> <p>White markings indicate 1m intervals; after insertion into ground wire holes, straighten and distribute evenly in three equal parts, unwound as required.</p>	
9	1	<p><b>Antenna coax-cable</b></p> <p>RG58-A/U cable wound onto a spool, with PL259 plug on both ends, total length 10m (32.8ft), with 5 turns fixed at 1.5m (4.9ft) from the output end.</p> <p><i>Primary function:</i> Suppressing common-mode currents on the outer surface of the coaxial cable shield.</p> <p><i>Benefits:</i> Ensures antenna radiation patterns align more closely with design specifications, enhancing communication efficiency. Reduces transmission power loss within the cable Minimises radio frequency interference to nearby equipment Prevents radio frequency burns Delivers more accurate and stable SWR readings, facilitating antenna tuning.</p>	

#	qty	Description	Picture
10	1	<b>BNC-m to SO239 adapter</b> For connecting to a radio via BNC-f socket	
11	1	<b>Tripod mount</b> Aluminum alloy, 30cm (11.8") leg length, male M8-1.25 thread, with rubber feet	
12		<b>Connecting piece</b> Length 2.4cm (0.9"), male M8-1.25 thread, for mounting the "Ground spike" (#2) with its "Securing nut" (#3) to the "Tripod mount" (#11)	
13	1	<b>Water bag</b> To be placed above the "Tripod mount" (#11), can hold 3 litres of water	
14	1	<b>Tape measure</b> Maximum 350cm (11.5ft)	
15	1	<b>Carrying bag</b> With handle and shoulder strap	

#	qty	Description	Picture
16	1	User Manual	 The image shows a silver, multi-band antenna with a central vertical mast and four adjustable legs. A small inset image shows the antenna's base, which is black and red with a white circular logo. Below the antenna, there is a red banner with the text 'Radioddity HF-010' in white. Above the banner, there is a small line of text: 'Multi-band & Multi-purpose antenna 30m... 6m Band'. At the bottom right of the image, there is a small date: '11.0. January 2025'.

### 3 Accessories for the Radioddity HF-010

The following two accessories are recommended as add-ons to your HF-010. If you plan to use the Radioddity HF-010 with the Radioddity M916, you also need the Radioddity HF-010A Antenna adapter.

Part	Picture
<p><b>Radioddity HF-010A</b> Antenna adapter</p> <ul style="list-style-type: none"> <li>• Precision thread adapter that converts standard PL-259 (UHF Male) to 3/8"-24 male thread</li> <li>• Supports 3-50MHz</li> <li>• SWR <math>\leq</math> 1.5:1,</li> <li>• Max 150W PEP</li> <li>• Crafted from a solid 304 stainless steel exterior for unmatched durability and corrosion resistance,</li> <li>• Length: 14cm (5.5")</li> <li>• Weight: 0.35kg (0.77lbs)</li> <li>• Fully compatible with Radioddity HF-010/HF-009 antennas, M916 magnetic mount, and most standard 3/8-24 threaded HF antennas,</li> </ul>	
<p><b>Radioddity M916</b> 3 base Magnet Mount</p> <ul style="list-style-type: none"> <li>• Heavy duty rugged magnetic antenna mount</li> <li>• With 3 magnetic bases (each with a diameter of 11cm (4.3")) this magnetic mount is your ideal car roof mount for PL-259 verticals (such as the HF-008) for static mobile operation</li> <li>• If used with the HF-010A it can host the Radioddity HF-010 and other antennas that are based on 3/8"-24 threads.</li> <li>• SO-239 socket</li> <li>• 3,9m (12.8ft) RG58-A/U cable with PL-259/SL16-K connector at its end.</li> <li>• Comes with adapter SO-239 to BNC-m.</li> <li>• If used with the HF010, the HF-010A is also required.</li> </ul>	

## 4 General information

Congratulations on purchasing our new Radioddity HF-010 multi-band and multi purpose HF antenna. You now have the perfect antenna for portable and temporary ham radio operation.

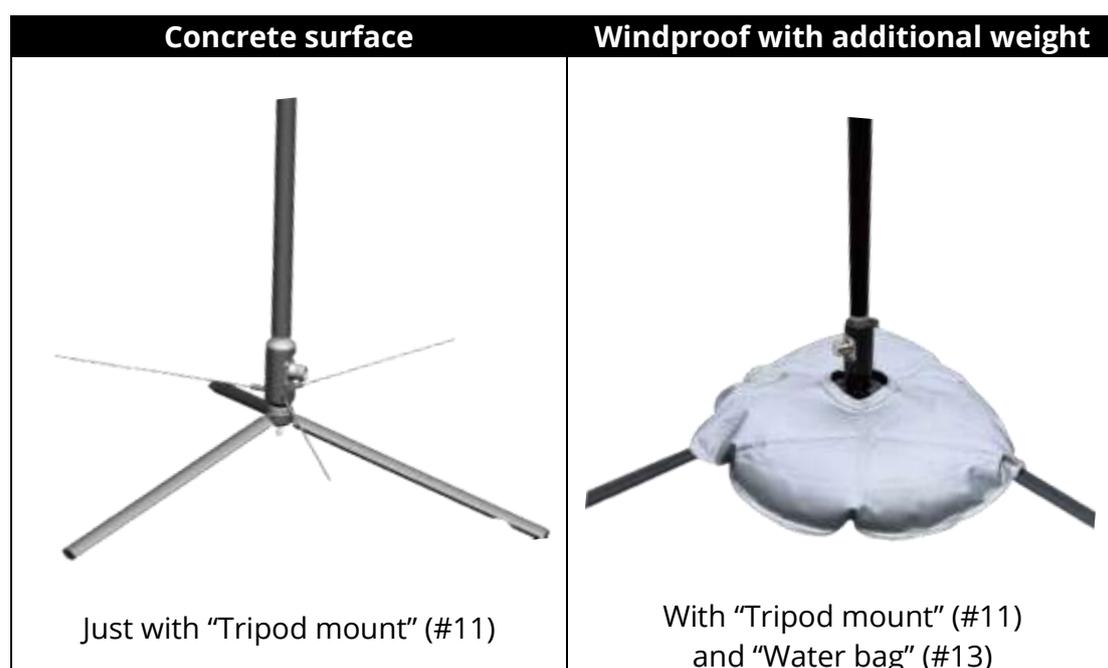
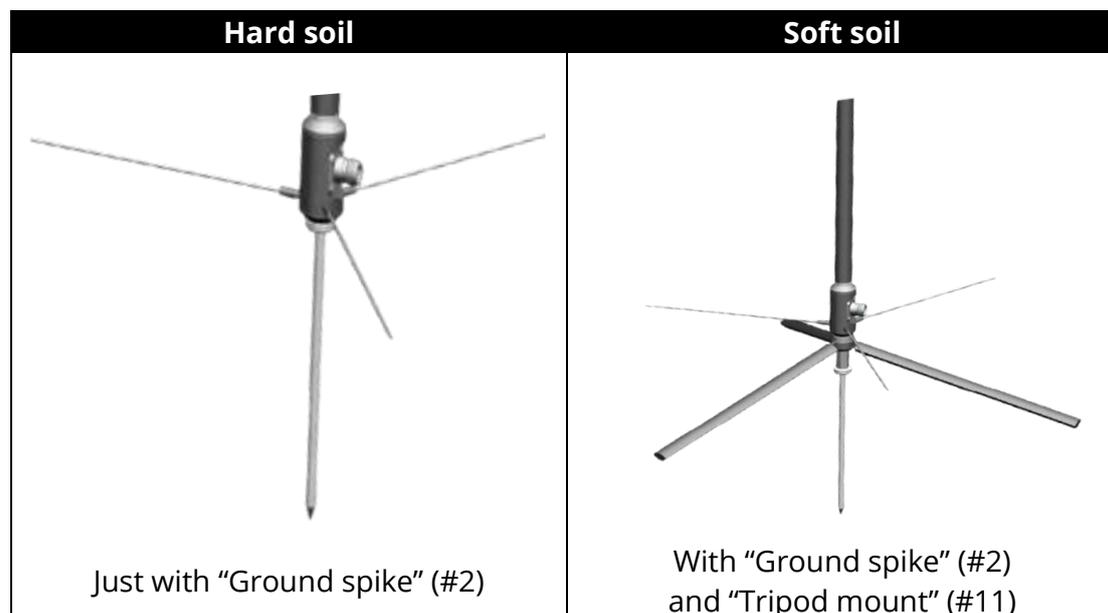
- The antenna with all of its accessories is supplied in a special "Carrying bag" (#15), weighing approximately 3 kilograms. The "Carrying bag" (#15) can be conveniently slung over the shoulder or carried by hand.
- The antenna is remarkably straightforward to operate, as it can be fully assembled in under 2 minutes. When correctly adjusted, it provides an excellent receiving and transmitting solution for your HF.
- The antenna covers the full frequency range from as low as 80m (3.56 MHz) up to 6m (50 MHz).
- The antenna comes with a "Ground spike" (#2) and a "Tripod mount" (#11), suitable for soft soil, hard soil, floor or concrete surfaces respectively. The installation is simple and can be easily accomplished.
- The antenna works as a  $\frac{1}{4}$  wavelength antenna.
- For the 80m band (3.56MHz), a "Fixed Loading coil" (#6) is provided. Adjust the length of the "Telescopic whip" (#7) according to the table data to achieve resonance at 3.56MHz.
- For bands above 80m (3.56MHz) but below 17m (18MHz), a "Tunable loading coil" (#5) is provided. Modify the inductance value of the "Tunable loading coil" (#5) by moving the red cursor upwards (for higher frequencies) or downwards (for lower frequencies). Adjust the length of the "Telescopic whip" (#7) according to the table data to achieve resonance at the desired frequency point.
- Frequencies above 17m (18MHz) cannot be tuned using the "Tunable loading coil" (#5). You may either remove the "Tunable loading coil" (#5) or move the red cursor to its top most point. Now adjust the length of the "Telescopic whip" (#7) to achieve resonance at the desired operating frequency. For the highest frequencies "Telescopic whip" (#7) will not be extended very far whereas for lower frequencies down to 18MHz more of the "Telescopic whip" (#7) will need to be pulled out. A tip is to apply tape alongside the scale of the "Tunable loading coil" (#5) and to mark positions for each band's resonant point.
- The antenna comes with all necessary components, including a 10m "Antenna coax-cable" (#9) fitted with PL259 connectors at both ends, and a "BNC-m to SO239 adapter" (#10) suitable for radios with a BNC-f socket, such as most Xiegu transceivers.
- You can drive the antenna with a signal of up to 100W CW or 150W PEP SSB allowing its use with most transceivers or suitable HF amplifiers driven with a QRP radio.

## 5 Assembly instructions

Assembling the Radioddity HF-010 takes just a few minutes. This makes the Radioddity HF-010 ideal for portable operation with your HF radio. There are various installation options for the Radioddity HF-010.

Use the "Ground spike" (#2) whenever it is possible and allowed. Additionally use the "Tripod mount" (#11) and optional the "Water bag" (#13) filled with up to 3 litres to increase stability of ground fixture.

However, you may also just use the "Ground spike" (#2) without the "Tripod mount" (#11) and the "Water bag" (#13), depending on the soil consistency.



## Basic installation

First of all, you need to prepare the basic installation. After those has been completed you are ready to mount the required antenna elements onto the basic installation.

### 5.1

#### 5.1.1 Soil installation with Ground spike only

If it is possible/allowed to use the "Ground spike" (#2), prepare the basic installation as follows:

- Fully screw the "Securing nut" (#3) to the "Ground spike" (#2).
- Mount the "Antenna base" (#1) to the top of the "Tripod mount" (#11).
- Now carefully insert the "Ground spike" (#2) into the soil. The "Antenna base" (#1) needs to be above ground.
- Continue mounting the rest of the antenna according to the desired operating frequency you plan to use. See section 5.2 "Installation of antenna elements" for details.

#### 5.1.2 Soil installation with Ground spike and Tripod mount

If it is possible/allowed to use the "Ground spike" (#2), prepare the basic installation as follows:

- Unfold the "Tripod mount" (#11).
- Screw the "Connecting piece" (#12) to the lower side of the "Tripod mount" (#11).
- Fully screw the "Securing nut" (#3) to the "Ground spike" (#2).
- Now mount the "Ground spike" (#2) to the "Connecting piece" (#12) and secure it to the "Connecting piece" (#12) using the "Securing nut" (#3).
- Now carefully insert the "Ground spike" (#2) into the soil, until the 3 rubber feet of the "Tripod mount" (#11) touch the soil.
- Mount the "Antenna base" (#1) to the top of the "Tripod mount" (#11).
- For additional stability you may place the "Water bag" (#13) above the "Antenna base" (#1) so that it resides on the unfolded "Tripod mount" (#11) and fill the "Water bag" (#13) with up to 3 litres of water before closing its lid.
- Continue mounting the rest of the antenna according to the desired operating frequency you plan to use. See section 5.2 "Installation of antenna elements" for details.

### 5.1.3 Soil or concrete installation with Tripod mount

If it is not possible/allowed to use the “Ground spike” (#2), prepare the basic installation as follows:

- Unfold the “Tripod mount” (#11).
- Place the “Tripod mount” (#11) onto the flat ground.
- Mount the “Antenna base” (#1) to the top of the “Tripod mount” (#11).
- Place the “Water bag” (#13) above the “Antenna base” (#1) so that it resides on the unfolded “Tripod mount” (#11).
- Fill the “Water bag” (#13) with 3 litres of water before closing its lid.
- Continue mounting the rest of the antenna according to the desired operating frequency you plan to use. See next section 5.2 “Installation of antenna elements” for details.

### Installation of antenna elements

#### 5.2

Depending on the band you want to operate your radio in, different elements need to be mounted on top of the basic installation.

Band /m	80	60	40	20	17	15	12	11	10	6
Extension rods (#4)	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Adjustable loading coil (#5)	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Fixed loading coil (#6)	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Telescopic whip (#7)	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Ground radial wire (#8)	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

5.3 ☒: this part is required      ☒: do not use this part

### Quick setup measures

The following table lists measures for the extension of the “Telescopic whip” (#7), the slider position of the “Adjustable loading coil” (#5) as well as the length of the unwound “Ground radial wire” (#8) and the VSWR resulting out of that setup.

All those figures may vary depending on weather conditions, type of ground, and other such factors. Thus, the stated values may only be taken as a general starting point for your own observations and measurements.

Band	Frequency	Telescopic whip	Coil scale	Ground Wire	VSWR
6m	50 MHz	48 cm / 18.9 "	-/-	100 cm / 3.3ft	1.1
10m	28.5 MHz	168 cm / 66.1 "	-/-	200 cm / 6.6 ft	1.2
11m	27 MHz	198 cm / 78.0 "	-/-	200 cm / 6.6 ft	1.1
12m	25 MHz	208 cm / 81.9 "	-/-	200 cm / 6.6 ft	1.2
15m	21.4 MHz	266 cm / 104.7 "	-/-	200 cm / 6.6 ft	1.2
17m	18 MHz	105 cm / 41.3 "	1	300 cm / 9.8 ft	1.4
20m	14.2 MHz	228 cm / 89.8 "	1	300 cm / 9.8 ft	1.1
40m	7.1 MHz	228 cm / 89.8 "	3.7	Full length	1.3
60m	5.5 MHz	261 cm / 102.8 "	5.4	Full length	1.4
80m	3.56 MHz	250 cm / 98.4 "	-/-	-/-	1.1

**Attention:** *The antenna is a metal conductor. Keep it far away from unsafe positions such as high-voltage power cables. Avoid operating it during severe weather conditions such as thunderstorms. Please use appropriate lightning protection if this device has to be operated during a thunderstorm to prevent harm to persons and equipment. We recommend, however, that you completely take down the antenna and do not use it in such weather conditions. The antenna is not suitable for permanent outdoor use and must be protected from adverse weather conditions (e.g., wind and rain).*

In general, both "Extension rods" (#4) are required, regardless of the band you plan to operate as already mentioned in section 5.2 "Installation of antenna elements". For bands above 17m the "Tunable loading coil" (#5) is not required. Best is to not use it instead of just setting the slider of the "Tunable loading coil" (#5) to its "0" position.

Example: For the 40m band, you need both "Extension rods" (#4) plus the "Tunable loading coil" (#5) and the "Telescopic whip" (#7) are required. Set the "Tunable loading coil" (#5) to an initial position of about 3.7 and pull out the "Telescopic whip" (#7) for approximately 228cm / 89.8". Additionally insert the 3 "Ground radial wires" (#8) and completely unwound them from their spools. The spools are kept secured to the end of the Ground radial wires. Distribute these wires as evenly as possible around the antenna base.

## Sample installation pictures

The following pictures provide a detailed view on the installation steps.

5.4



"Ground spike" (#2), "Connecting piece" (#12), "Tripod mount" (#11) and "Antenna base" (#1) assembled and fully inserted into the soil, securing the tripod by compacting it into the ground.



Both "Extension rods" (#4) mounted to the top of the "Antenna base" (#1). (The extension rods serve to lengthen the "Telescopic whip" (#7) component that will be added later.)



"Tunable loading coil" (#5) mounted on top of the two "Extension rods" (#4). For frequencies above 18 MHz (17 metres), this step should best be omitted, or the slider on the "Tunable loading coil" (#5) should at least be moved to its uppermost position "0". If planning to operate on 80m exchange the "Tunable loading coil" (#5) by the "Fixed Loading coil" (#6)



Finally, mount the "Telescopic whip" (#7) to the top.



For all bands, except 80m connect the three "Ground radial wires" (#8) to the three holes on the "Antenna base" (#1). Distribute the wires as evenly as possible around the antenna base.

This completes the initial installation of the Radioddity HF-010 antenna.

## 5.5 Adjust antenna

Now connect the antenna analyser (such as a NanoVNA) to the "Antenna base" (#1) using a 50 Ohm coaxial cable, and adjust the Radioddity HF-010 antenna to achieve the optimum standing wave ratio (SWR) at the desired frequency.

- For 80m band frequencies adjust the length of the "Telescopic whip" (#7) and use the "Fixed Loading coil" (#6) to tune for optimum standing wave ratio.
- For frequencies above the 80m band but below 18 MHz, adjust the length of the "Telescopic whip" (#7) and use the "Tunable loading coil" (#5) to tune for optimum standing wave ratio.
- For frequencies above 18 MHz it is best to not use the "Tunable loading coil" (#5) or at least set its slider to the uppermost "0" position. Adjust the length of the "Telescopic whip" (#7) to tune the antenna for the desired frequency, achieving the optimum standing wave ratio.

Finally, connect the supplied "Antenna coax-cable" (#9) between the SO-239 socket of the "Antenna base" (#1) and your radio. Most Xiegu radios require the use of the supplied "BNC-m to SO239 adapter" (#10).

## Important notes

There are a few points that need to be observed and followed:

- 5.6 • The Radioddity HF-010 antenna should be used in conjunction with an adequate ground plane structure and is not suitable for direct mounting on radio equipment.
- Ensure the Radioddity HF-010 antenna is securely assembled and stable on the ground. Select firm ground. Should the ground spike become loose after repeated use, re-select the location.
- Check whether the PL259 plug is securely connected to the SO239 "Antenna base" (#1) connector socket as well as to the radio.
- The frequency and antenna calibration must precisely align with the specified requirements. Should any centre frequency SWR deviation occur, adjust the "Tunable loading coil" (#5) and/or the length of the "Telescopic whip" (#7) accordingly.
- Depending on the operating environment shifts in the centre frequency VSWR may occur. An optimal VSWR can be achieved by fine-tuning the length of the "Telescopic whip" (#7).

## 6 Technical data

Radioddity reserves the right to change the following technical data at any time and without notice.

Parameter	Value	Parameter	Value
Frequency range	3.56 MHz – 50 MHz	Ground radial length	About 480 cm / 15.7 ft (3 wires)
SWR when tuned	1.5:1	Total antenna coax-cable length	10m / 32.8 ft
Impedance	50 Ohm	Total weight	3kg / 6.6 lb
Max total whip length	2.75 m / 9 ft	Net weight	2.5kg / 5.5 lb
Maximum visible length	5.1 m / 16.7 ft	Size of carrying bag	55cm x 20cm x 9cm / 121.7" x 7.9" x 3.5"
Maximum power rating	CW: 100 W, SSB: 150 W PEP		

**Notes:** The above technical data are typical values and are subject to change without notice.

## 7 Where to look for further information?

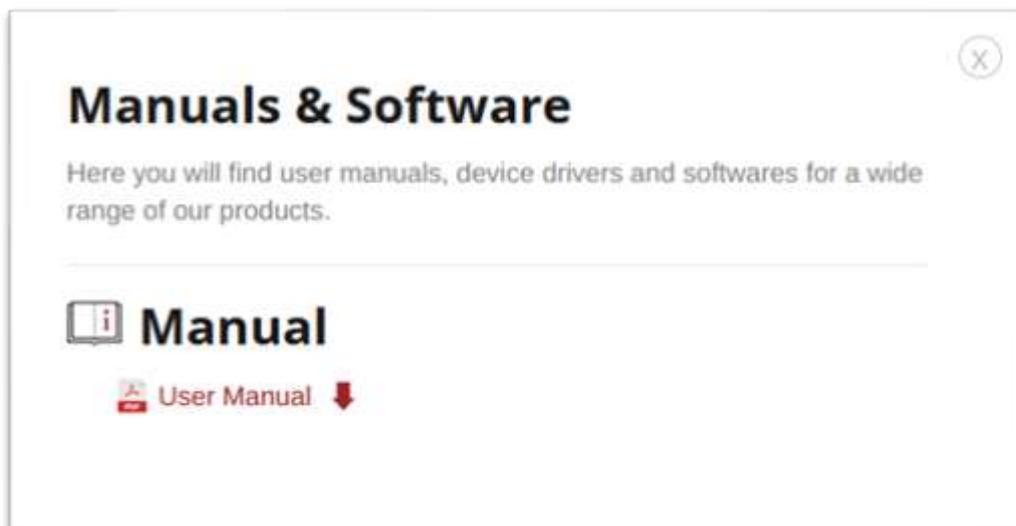
On the Internet you find a variety of sources with information about antennas similar to the Radioddity HF-010 antenna but not identical to it. So be careful as to not blindly believe any statements given. Also be careful in believing any information that has been AI generated.

### Radioddity support area

Please note that you can find all firmware, software and freely available manuals **7.1** in the support section of our official Radioddity website by following these steps:

<https://www.radioddity.com/> → Support → Radioddity → HF-010

For the Radioddity HF-010, the resulting support page looks something like this:



As soon as a new document is available, it will be published in our support area.

## 8 Recycling regulations

Electrical and electronic equipment shouldn't be disposed of along with household waste. It may contain hazardous substances which, if exposed, could cause a serious detrimental effect on the environment, wildlife, and human health. Please act accordingly and follow any local regulations that apply to your geographical area. Please observe the relevant regulations and laws of your place of residence.

### EU - Recycling Waste of Electrical and Electronic Equipment

#### How to dispose of waste of electrical and electronic equipment

8.1

Electrical and electronic equipment (EEE) shouldn't be disposed of along with household waste. EEE may contain hazardous substances which, if exposed, could cause a serious detrimental effect on the environment, wildlife, and human health.

For more information on the Waste of Electrical and Electronic Equipment (WEEE) directive, including how to ensure the safe disposal of your electrical and electronic equipment, search for 'WEEE Directive' on the web.

Products that should not be disposed of along with household waste will be marked with this icon:



#### How do I dispose of my old electrical or electronic equipment?

If you'd like to dispose of electrical or electronic equipment for recycling you can also:

- Take it to an authorized recycling collection point run by your local authority.
- Take part in national recycling campaigns.

#### Tips for removing personal data from electrical and electronic devices

If you are an owner of a personal electronic device that is covered by the WEEE Directive such as a computer, mobile phone, or camera, you should erase all personal or confidential data before recycling it. You can do this by restoring the device to its factory settings, which is normally done in your device's settings menu.

You should also delete any personal or confidential data on any internal storage device such as a memory or SIM card.

- Back up any sensitive data such as photos, contacts and messages.
- If possible, restore the device to its factory settings.
- Sign out of any accounts you're signed into such as Cloud storage, social media, and messaging apps.

If your old piece of EEE is still functional and/or could be repaired for further use, please consider reusing as the first option, either by donating it to a charitable organization, or by giving it to someone else in need. By extending the lifetime of your old equipment, you are also contributing to the efficient use of resources and avoiding additional waste.

If your equipment has **Lithium cells and batteries installed in the equipment** (e.g., mobile phones, headphones) or is **packed with the equipment** (e.g., laptops, digital cameras), you should have special care, namely:

- The equipment in this case should be packed with strong outer packaging. If using cardboard boxes, they must be strongly constructed, preferably with seams that are stitched or stapled, not merely glued. Use boxes that are at their full strength and that have not been compromised by humidity. Seal your box with duct-tape (preferably reinforced) by applying three strips to both the top and bottom of the box, so that the middle seam and the two edge seams are sealed
- Packages must be marked with 'LITHIUM BATTERIES FOR RECYCLING'
- Appropriate measures shall be taken to minimize the damage of the equipment when filling and handling the packaging, e.g., use of rubber mats
- The packaging shall be constructed and closed so as to prevent any loss of contents during carriage
- Each package must be marked with one of the following labels depending on whether they are (1) lithium ION or (2) lithium METAL

(1)



(2)



## Entsorgung von Elektro- und Elektronikgeräten

### Elektro- und Elektronikgeräte

#### Informationen für private Haushalte

- 8.2** Das Elektro- und Elektronikgerätegesetz (ElektroG) enthält eine Vielzahl von Anforderungen an den Umgang mit Elektro- und Elektronikgeräten. Die wichtigsten sind hier zusammengestellt.

#### **Getrennte Erfassung von Altgeräten**

Elektro- und Elektronikgeräte, die zu Abfall geworden sind, werden als Altgeräte bezeichnet. Besitzer von Altgeräten haben diese einer vom unsortierten Siedlungsabfall getrennten Erfassung zuzuführen. Altgeräte gehören insbesondere nicht in den Hausmüll, sondern in spezielle Sammel- und Rückgabesysteme.

#### **Batterien und Akkus sowie Lampen**

Besitzer von Altgeräten haben Altbatterien und Altakkumulatoren, die nicht vom Altgerät umschlossen sind, sowie Lampen, die zerstörungsfrei aus dem Altgerät entnommen werden können, im Regelfall vor der Abgabe an einer Erfassungsstelle vom Altgerät zu trennen. Dies gilt nicht, soweit Altgeräte einer Vorbereitung zur Wiederverwendung unter Beteiligung eines öffentlich-rechtlichen Entsorgungsträgers zugeführt werden.

#### **Möglichkeiten der Rückgabe von Altgeräten**

Besitzer von Altgeräten aus privaten Haushalten können diese bei den Sammelstellen der öffentlich-rechtlichen Entsorgungsträger oder bei den von Herstellern oder Vertreibern im Sinne des ElektroG eingerichteten Rücknahmestellen unentgeltlich abgeben.

Rücknahmepflichtig sind Geschäfte mit einer Verkaufsfläche von mindestens 400 m<sup>2</sup> für Elektro- und Elektronikgeräte sowie diejenigen Lebensmittelgeschäfte mit einer Gesamtverkaufsfläche von mindestens 800 m<sup>2</sup>, die mehrmals pro Jahr oder dauerhaft Elektro- und Elektronikgeräte anbieten und auf dem Markt bereitstellen. Dies gilt auch bei Vertrieb unter Verwendung von Fernkommunikationsmitteln, wenn die Lager- und Versandflächen für Elektro- und Elektronikgeräte mindestens 400 m<sup>2</sup> betragen oder die gesamten Lager- und Versandflächen mindestens 800 m<sup>2</sup> betragen. Vertreter haben die Rücknahme grundsätzlich durch geeignete Rückgabemöglichkeiten in zumutbarer Entfernung zum jeweiligen Endnutzer zu gewährleisten.

Die Möglichkeit der unentgeltlichen Rückgabe eines Altgerätes besteht bei rücknahmepflichtigen Vertreibern unter anderem dann, wenn ein neues gleichartiges Gerät, das im Wesentlichen die gleichen Funktionen erfüllt, an einen Endnutzer abgegeben wird. Wenn ein neues Gerät an einen privaten Haushalt ausgeliefert wird, kann das gleichartige Altgerät auch dort zur unentgeltlichen Abholung übergeben werden; dies gilt bei einem Vertrieb unter Verwendung von Fernkommunikationsmitteln für Geräte der Kategorien 1, 2 oder 4 gemäß § 2 Abs. 1 ElektroG, nämlich 'Wärmeüberträger', 'Bildschirmgeräte' oder 'Großgeräte' (letztere mit mindestens einer äußeren Abmessung über 50 Zentimeter). Zu einer entsprechenden Rückgabe-Absicht werden Endnutzer beim Abschluss eines Kaufvertrages befragt. Außerdem besteht die Möglichkeit der unentgeltlichen Rückgabe bei Sammelstellen der Vertreter unabhängig vom Kauf eines neuen Gerätes für solche Altgeräte, die in keiner äußeren Abmessung größer als 25 Zentimeter sind, und zwar beschränkt auf drei Altgeräte pro Geräteart.

### **Datenschutz-Hinweis**

Altgeräte enthalten häufig sensible personenbezogene Daten. Dies gilt insbesondere für Geräte der Informations- und Telekommunikationstechnik wie Computer und Smartphones. Bitte beachten Sie in Ihrem eigenen Interesse, dass für die Löschung der Daten auf den zu entsorgenden Altgeräten jeder Endnutzer selbst verantwortlich ist.

### **Bedeutung des Symbols 'durchgestrichene Mülltonne'**



Das auf Elektro- und Elektronikgeräten regelmäßig abgebildete Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass das jeweilige Gerät am Ende seiner Lebensdauer getrennt vom unsortierten Siedlungsabfall zu erfassen ist.

We would like to thank all Radioddity customers for their constructive feedback. If you find an error in this documentation, or if you miss a detail that has not been described to the needed extent, please feel free to write a message to [support@radioddity.com](mailto:support@radioddity.com). In general, all documentation for the Radioddity HF-010 is free of charge. Updates of our eBooks are not free of charge.



Thank you for shopping at Radioddity!

TUTORIALS, SUPPORT AND MORE CAN BE FOUND AT:



<https://www.radioddity.com/>



<https://www.facebook.com/radioddity>



<https://www.youtube.com/c/Radioddityradio>