



Radioddity PS30 Switching DC Power Supply  
with Anderson Powerpole® compatible connectors  
8-15V Adjustable / 13.8V Stable Output at 30A max  
Short Circuit & Overload Protection

# User manual for Radioddity PS30

V1.0.0, August 25<sup>th</sup> 2025

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## 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)**

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## 1 Preface

The power supply comes with 4 modular connectors on its front. Those are compatible to the well-known Anderson Powerpole® connectors.


Powerpole® is trademark of Anderson Power. If a trademark assignment is missing, incorrect or erroneous, please contact us as soon as possible so that we can correct this immediately.

## 2 Revision history of this document

We are constantly striving to update our manuals in line with changes resulting from manufacturer's new firmware versions. 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
V1.0.0	<ul style="list-style-type: none"><li>First version, based on the manual that comes with the power supply</li></ul>	2025-09-25

### 3 Product safety

	<p>Before using the Radioddity PS30, please read this manual carefully. It contains important instructions for the safe and proper use of the radio as well as operating instructions.</p>
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- Even though the chassis of the unit is negatively grounded , use correct terminals to connect cable.
- When plugging the unit into a wall outlet, it must be turned off.
- Place the unit in a dry and well-ventilated area.
- Never touch the unit while it is working. Even though it is designed for high efficiency, the unit will still get hot.
- A current limiting system will protect the unit from overloading.
- If a short circuit occurs while outputting, the unit will be protected by a short circuit protection function. Turn off the unit and repair the cause of the short circuit immediately, then turn it back on.
- Do not use the unit for devices that require high current input at the start, such as motorized equipment. Do not use the unit to charge a car battery.
- Do not use a car cigarette lighter in the cigarette plug socket on the unit.
- Before replacing a fuse make sure that the unit has been turned off. Be sure to use the specified type of fuse.
- Make sure the product is always suitably grounded to prevent electric shock and to reduce noise.
- Never disassemble, modify, and touch the inside of the unit unnecessarily. That could cause damage to the product and make the warranty invalid.

## 4 General information

The Radioddity PS30 power supply is designed for amateur radio use.

Features Include:

- **AC to DC Conversion:** Converts standard 110V AC mains into a stable 13.8V DC output, with an adjustable range of 8–15V to power a wide variety of radios and DC devices.
- **High Current Output:** Delivers up to 30A peak (20A continuous) to handle demanding loads, ensuring your ham radios, CB radios, scanners, and HF transceivers operate smoothly even under heavy usage.
- **Dual-Meter Display:** Dual backlit meters provide real-time monitoring of voltage and current, allowing precise adjustments and enabling users to optimize performance safely and efficiently.
- **Versatile Connection Options:** Features Anderson Powerpole® compatible connectors and screw-type binding posts, offering flexible, secure, and reliable connections for multiple devices.
- **Noise-Offset Control:** Fine-tune your system with the adjustable noise-offset knob, reducing interference for clearer transmissions and improved reception in high-traffic or challenging environments.
- **Safe & Reliable:** Includes short-circuit and overload protection, safeguarding your equipment from damage and ensuring reliable, worry-free operation during long sessions, emergency use, or portable field work.

Please read this manual carefully for a better experience and a full understanding of the operation of the Radioddity PS30.

5      What is included in the box?

Thank you for purchasing the Radioddity PS30. 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.

Part	Picture
Radioddity PS30	
Power Cable	
Instruction Manual	

**Note:**      You can find further accessories for your radio at:  
<https://www.radioddity.com/>

## 6 Introduction

The Radioddity PS30 is a high efficiency, compact, lightweight, high performance switching power supply. It is also engineered to minimize the noise specifically for communication purposes. Even when the noise occurs, it can be eliminated by the Noise-Offset control. Many convenient functions like voltage pre-set knob and a highly visible back lit meter for voltage and current are all included in this standard power supply.

To ensure the best performance and extend the service life, you should familiarize yourself with the following maintenance and care measures.

### 6.1 Maintenance

1. Please do not scratch or puncture the device with hard or sharp objects.
2. Do not expose the device to direct sunlight or an environment where electronic circuits may corrode.
3. Opening or modifying the device in any way will void the warranty.

### 6.2 Care

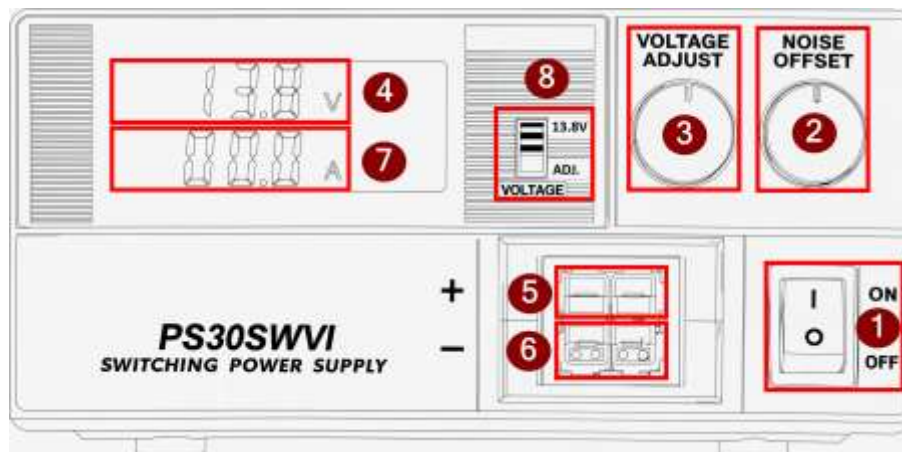
1. Please clean your Radioddity PS30 regularly with a dry, clean cloth or a soft brush to wipe the dust off the surface.
2. The fan cover of the device can become dirty through use. Please use a light vacuum cleaner to get of any dust.
3. Do not use chemical cleaning agents such as alcohol, sprays or petroleum products on the surface of the radio or the printed labels. Chemicals can damage the housing, the display and may remove the printed labels. Before switching on the radio, make sure that the device is completely dry.



## 7 Operation

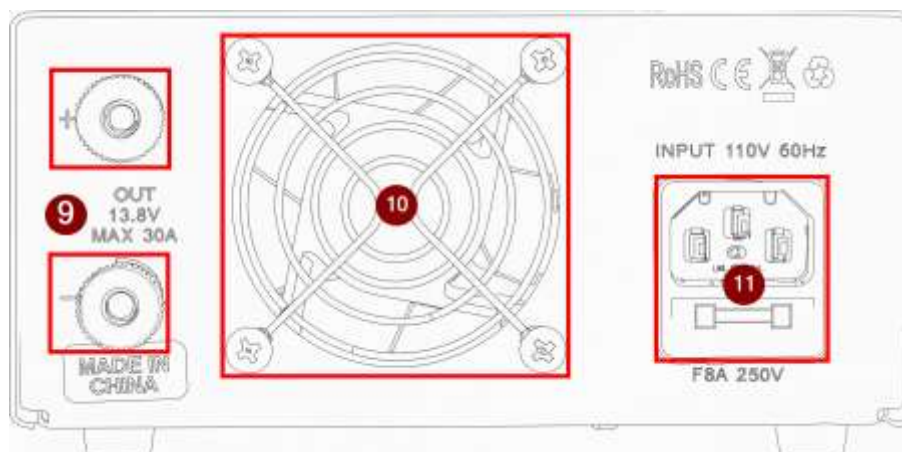
All operational elements are located on the frontside of the Radioddity PS30 including Powerpole® compatible connectors. The backside of the device has additional screw-type output terminals that also allow 4mm banana-plugs to be inserted.

### 7.1 PS30 Frontside



No.	Purpose
1	Power switch: Turns unit on and off
2	Noise-Offset control
3	Output control switch
4	Voltage display, 3 digits
5	Positive output terminals (Anderson Powerpole® compatible), red
6	Negative output terminals (Anderson Powerpole® compatible), black
7	Current display, 3 digits
8	Output control switch

## 7.2 PS30 Backside

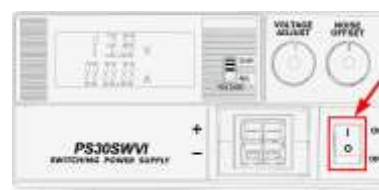


No.	Purpose
9	Output terminal, 30A max, red positive, black negative
10	Cooling fan
11	IEC socket with Fuse

## 7.3 Power on/off

To turn on the Radioddity PS30 move the switch on the front of the device to its 'ON'-position.

To turn off the device, move the switch to its 'OFF'-position.



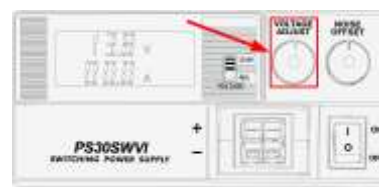
## 7.4 Selection of output power

The Radioddity PS30 allows to either have a variable output power between 8-15V DC or a fixed output power of 13.8V DC.

To select a fixed output power of 13.8V, move the Output control switch to its '13.8V'-position.

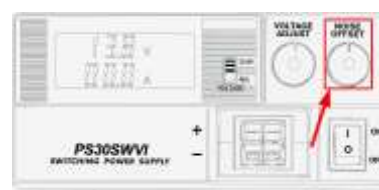
To select a variable output power, move the switch to its 'ADJ'-position.

If variable output power has been selected, the actual output power can be set using the Voltage adjustment knob.



## 7.5 Noise-offset volume

If you experience noise on your connected gear that you suspect is originating from the switching power supply, use the Noise-offset volume control to reduce it to its minimum.



## 8 Technical data

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

Parameter	Value
Input Voltage	110V AC
Fixed Output Voltage	13.8V DC
Adjustable Output Voltage	8.0-15.0V DC
Maximum Current Output	30A Peak, 20A Continuous
Display	Dual Meter (Voltage & Current)
Connectors	Anderson Powerpole® compatible & Binding Posts
Protection	Short-Circuit & Overload Protection
Noise Control	Adjustable Noise-Offset Knob
Output Voltage Regulation	< 2%
Ripple Noise	< 80mVp-p (at rated load)
Fuse	5A Internal Fuse
Dimensions	6.1" x 3.0" x 8.1" / 15,5cm x 7,6cm x 20,5cm
Weight	Approx. 3.3lbs / 1.5kg

## 9 Where to look for further information?

On the Internet you will find a variety of sources with information about power supplies that sometimes may look identical or similar to ours but which aren't. Please keep that in mind.

### 9.1 Radioddity support area

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

<https://www.radioddity.com/> → Support → Radioddity → PS30

As soon as a new file is available (e.g., firmware updates, updated manuals or other items), these files will be published in our support area.

## 10 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.

### 10.1 EU - Recycling Waste of Electrical and Electronic Equipment (WEEE)

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

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 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)



## 10.2 Entsorgung von Elektro- und Elektronikgeräten

### Elektro- und Elektronikgeräte

#### Informationen für private Haushalte

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 Vertriebern 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. Vertrieber 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 Vertriebern 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 Vertreiber 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 function that you would have expected, or even if a detail has not been described to the needed extent, please feel free to write a message to [support@radioddity.com](mailto:support@radioddity.com).



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