ATRIO PetPulse

PRODUCT SPECIFICATIONS

PRODUCT CATEGORY:
Animal Health

SERIAL CODE:
20241106ATR

Product overview

The **Atrio PetPulse** Holter is an advanced cardiac monitoring device designed for animals of all sizes, from small pets to larger animals including horses. It provides continuous ECG recording, ensuring accurate detection and evaluation of cardiac abnormalities. Lightweight and non-invasive, the device is held in place with a comfortable jacket or wrap, minimising disruption to the animal's routine. Paired with a subscription to **Atrio.ai**, a TGA-registered medical device software, it offers seamless data processing and advanced diagnostics, making it a versatile and indispensable tool for veterinarians dedicated to animal heart health.

Key Features

01 Streamlined Workflow with Cardiologist Support

Once the Holter is returned and the ECG data is uploaded into Atrio.ai, our team arranges for a veterinary cardiologist to review and finalise the report. This ensures a professional, signed-off interpretation within one easy workflow, giving you confidence in the results.

02 Small and lightweight

The Atrio PetPulse Holter is designed to stay out of the way—compact, lightweight, and easy to secure, it ensures comfort for animals of any size while capturing reliable data.

03 Low Fuss, Minimal Disruption

With a simple plug-and-play setup, the Holter automatically turns off after completing its pre-set recording. All that's left is to upload the file to Atrio.ai for a seamless and stress-free process.

Product Specifications

PARAMETER	SPEC
Recording Duration	Preset up to 24 hrs
File Format	EDF
Connectivity	microUSB
Battery Life	30 continuous hrs
Dimensions (w x l x h)	47.5mm x 26mm x 18mm
Device Weight	14.97g
Water Resistant	No
Channels	3-channel

Package Contents

- **Atrio PetPulse Holter Device:** Compact, lightweight, and pre-programmed for 24-hour ECG recordings.
- **Access to Atrio.ai:** A comprehensive platform for data upload, analysis, and cardiologist-reviewed reports.
- **Electrodes:** High-quality electrodes designed for secure attachment and accurate readings.
- **3-Channel Leads:** Flexible and durable leads suitable for animals of all sizes.
- **Charging and Data Cable:** microUSB to USB-A charging and data transfer cable.

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DOCUMENT VERSION 4.0

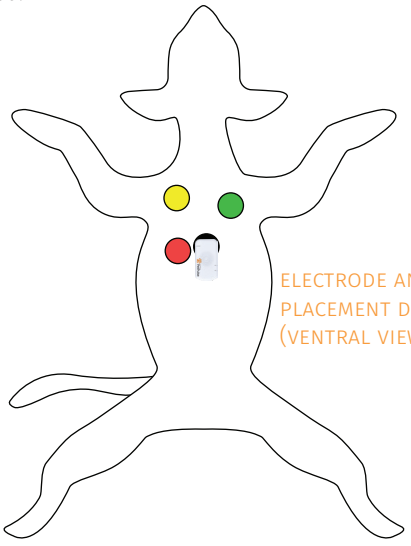
ATRIO
PetPulse

INSTRUCTIONS FOR USE

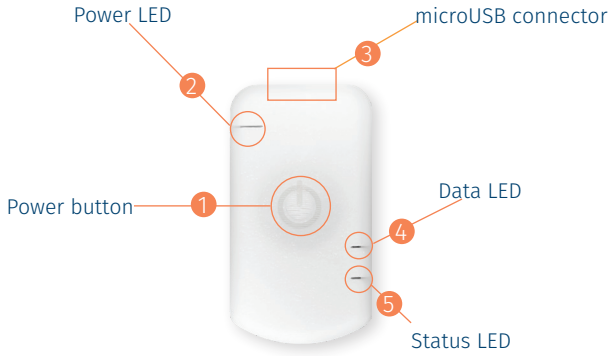
Skin Preparation and Electrode Placement

Proper skin preparation is essential to ensure accurate ECG recordings and secure electrode attachment. Follow these steps:

1. **IDENTIFY ELECTRODE PLACEMENT AREAS**
   Refer to the placement diagram below for the correct electrode locations based on the animal's size and species.
2. **SHAVE THE AREAS**
   Using a clipper, carefully shave a small patch of fur at each electrode site. Ensure the skin is fully exposed to allow direct contact with the electrodes.
3. **CLEAN THE SKIN**
   Thoroughly clean each shaved area with an alcohol swab to remove oils, dirt, and loose hair. This step ensures a strong adhesion and reduces electrical interference.
4. **CHECK FOR IRRITATION**
   Inspect the skin for any signs of irritation, wounds, or abnormalities before attaching electrodes. If irritation is present, consult a veterinarian for alternative placement options.
5. **MATCH LEAD COLOURS TO ELECTRODE LOCATIONS**
   Align the coloured leads with the corresponding electrode placement on the animal as indicated in the placement diagram. Ensure each lead is securely snapped into the correct electrode before attaching it to the skin.
6. **ATTACH THE ELECTRODES**
   Adhere the electrodes to the prepared areas on the animal's skin, ensuring they make full and secure contact.
7. **VERIFY ADHESION**
   Press gently on each electrode to confirm it is firmly attached. Proper adhesion is critical to avoid signal loss during the monitoring period.



ELECTRODE AND LEAD PLACEMENT DIAGRAM (VENTRAL VIEW)



Operating Instructions

1. **CHARGE THE DEVICE**
   Fully charge the device before use by connecting the microUSB cable to the connector 3 and plugging it into a USB-A port on a computer or a power adapter. Power LED charging indicator 2 will light up purple when it is charging and turn to a solid red light when it is fully charged.
2. **PREPARE THE SKIN & ATTACH LEADS AND ELECTRODES**
   Follow the Skin Preparation and Electrode Placement Instructions in this leaflet. Once the electrodes are secured to the animal, connect the microUSB from the leads to the Atrio PetPulse microUSB connector 3.
3. **POWER ON THE DEVICE**
   Lightly press the power button 1 until Status LED 5 lights up purple and Data LED 4 begins flashing green. A flashing green Data LED indicates the device is recording.
4. **SECURE THE SETUP**
   Wrap the leads and electrodes gently with self-adhesive bandage to keep them secure and prevent movement. Finally, place a jacket or rashie over the animal to hold everything in place
5. **SEND THE FAMILY HOME WITH THEIR BOOKLET**
   Provide the pet's family with the Holter monitoring booklet to record key events during the monitoring period. This information is vital for aligning observations with the ECG data.
6. **RETRIEVE AND UPLOAD THE DATA**
   Provide When the device is returned, connect it to your computer using the microUSB cable. Access the ECG data by navigating to:
   File Browser → External Drive → DATA Folder
   Locate the EDF file and drag and drop it into the patient's record in Atrio.ai to complete the process.
7. **LOW BATTERY INDICATOR**
   If the battery is too low to record, Status LED 5 will light up a solid blue.

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