




# Power Dynamics PDY212A Active Speaker DSP BT Instruction Manual

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**Power Dynamics PDY212A Active Speaker DSP BT**



Congratulations to the purchase of this Power Dynamics product. Please read this manual thoroughly prior to using the unit in order to benefit fully from all features.

## **Product Information**

The PDY212A / PDY215A Active Speaker DSP/BT is a power dynamics product that provides high-quality audio output. It features built-in DSP (Digital Signal Processing) and Bluetooth connectivity, allowing users to customize their sound experience and stream audio wirelessly from compatible devices. The speaker is designed for optimal performance and durability. It is equipped with voltage carrying parts and should not be opened by the user. The unit should be kept away from heat sources, placed on a stable surface, and not covered to ensure proper ventilation. The product is not intended for continuous use and should be used according to the instructions provided in the manual. It is important to handle the mains lead with care and avoid damaging it. Repairs should only be performed by a qualified technician to prevent electrical shock. The PDY212A / PDY215A Active Speaker DSP/BT is designed to provide a powerful audio experience while ensuring user safety and product longevity.

## **Product Usage Instructions**

1. Prior to using the unit, read the manual thoroughly to understand all features and instructions.
2. Consult a specialist before using the unit for the first time.
3. When switching on the unit for the first time, it is normal to experience a temporary smell which will dissipate over time.
4. Do not open the housing as it contains voltage-carrying parts.
5. Avoid placing metal objects or pouring liquids into the unit to prevent electrical shock and malfunction.
6. Avoid placing the unit near heat sources or on vibrating surfaces. Ensure proper ventilation by not covering the ventilation holes.
7. Use the unit intermittently as it is not suitable for continuous use.
8. Handle the mains lead carefully to avoid damage.
9. Avoid repeatedly switching the fixture on and off as it may shorten its lifespan.
10. Keep the unit out of reach of children and never leave it unattended.
11. Avoid using cleaning sprays on switches as they can cause dust and grease deposits. Seek advice from a specialist in case of malfunction.

12. Avoid forcing the controls of the unit.
13. Take note of the safety warnings marked in the manual, especially regarding high voltages.
14. Dispose of electric products responsibly by bringing them to a recycling center.
15. Do not attempt to repair or make any changes to the unit yourself as it may void the warranty.
16. The warranty does not cover accidents or damages caused by inappropriate use or disregard of the warnings in the manual.
17. Power Dynamics is not liable for personal injuries or damages resulting from a failure to follow safety recommendations and warnings.

## **SAFETY INSTRUCTION**

Read the manual prior to using the unit. Follow the instructions in order not to invalidate the warranty. Take all precautions to avoid fire and/or electrical shock. Repairs must only be carried out by a qualified technician in order to avoid electrical shock. Keep the manual for future reference.

- Prior to using the unit, please ask advice from a specialist. When the unit is switched on for the first time, some smell may occur. This is normal and will disappear after a while.
- The unit contains voltage-carrying parts. Therefore do NOT open the housing.
- Do not place metal objects or pour liquids into the unit. This may cause electrical shock and malfunction.
- Do not place the unit near heat sources such as radiators, etc. Do not place the unit on a vibrating surface. Do not cover the ventilation holes.
- The unit is not suitable for continuous use.
- Be careful with the mains lead and do not damage it. A faulty or damaged mains lead can cause electrical shock and malfunction.
- When unplugging the unit from a mains outlet, always pull the plug, never the lead.
- Do not plug or unplug the unit with wet hands.
- If the plug and/or the mains lead are damaged, they need to be replaced by a qualified technician.
- If the unit is damaged to such an extent that internal parts are visible, do NOT plug the unit into a mains outlet and DO NOT switch the unit on. Contact your dealer.
- To avoid fire and shock hazard, do not expose the unit to rain and moisture.
- All repairs should be carried out by a qualified technician only.
- Connect the unit to an earthed mains outlet (220-240Vac/50Hz) protected by a 10-16A fuse.
- During a thunderstorm or if the unit will not be used for a longer period of time, unplug it from the mains. The rule is to unplug it from the mains when not in use.
- If the unit has not been used for a longer period of time, condensation may occur. Let the unit reach room temperature before you switch it on.
- Never use the unit in humid rooms or outdoors.
- To prevent accidents in companies, you must follow the applicable guidelines and follow the instructions.
- Do not repeatedly switch the fixture on and off. This shortens the life time.
- Keep the unit out of the reach of children. Do not leave the unit unattended.
- Do not use cleaning sprays to clean switches. The residues of these sprays cause deposits of dust and grease. In case of malfunction, always seek advice from a specialist.
- Do not force the controls.
- This unit is with speaker inside which can cause a magnetic field. Keep this unit at least 60cm away from

computer or TV.

- If this product have a built-in lead-acid rechargeable battery. Please recharge the battery every 3 months if you are not going to use the product for a long period of time. Otherwise, the battery may be permanently damaged.
- If the battery is damaged please replace with same specifications battery. And dispose the damaged battery environment friendly.
- If the unit has fallen, always have it checked by a qualified technician before you switch the unit on again.
- Do not use chemicals to clean the unit. They damage the varnish. Only clean the unit with a dry cloth.
- Keep away from electronic equipment that may cause interference.
- Only use original spares for repairs, otherwise serious damage and/or dangerous radiation may occur.
- Switch the unit off prior to unplugging it from the mains and/or other equipment. Unplug all leads and cables prior to moving the unit.
- Make sure that the mains lead cannot be damaged when people walk on it. Check the mains lead before every use for damages and faults!
- The mains voltage is 220-240Vac/50Hz. Check if power outlet match. If you travel, make sure that the mains voltage of the country is suitable for this unit.
- Keep the original packing material so that you can transport the unit in safe conditions.

This mark attracts the attention of the user to high voltages that are present inside the housing and that are of sufficient magnitude to cause a shock hazard.

This mark attracts the attention of the user to important instructions that are contained in the manual and that he should read and adhere to.

The unit has been certified CE. It is prohibited to make any changes to the unit. They would invalidate the CE certificate and their guarantee!

**NOTE:** To make sure that the unit will function normally, it must be used in rooms with a temperature between 5°C/41°F and 35°C/95°F.

Electric products must not be put into household waste. Please bring them to a recycling center. Ask your local authorities or your dealer about the way to proceed. The specifications are typical. The actual values can slightly change from one unit to the other. Specifications can be changed without prior notice.

Do not attempt to make any repairs yourself. This would invalid your warranty. Do not make any changes to the unit. This would also invalidate your warranty. The warranty is not applicable in case of accidents or damages caused by inappropriate use or disrespect of the warnings contained in this manual. Power Dynamics cannot be held responsible for personal injuries caused by disrespect of the safety recommendations and warnings. This is also applicable to all damages in whatever form.

## UNPACKING INSTRUCTION

**CAUTION!** Carefully unpack the box upon receipt. Check the contents to ensure that all parts are present and have been received in good condition. Notify the shipper immediately and retain packaging material if any parts appear damaged from shipping or the package itself shows signs of mishandling. Save the package and all packaging materials. If the product must be returned, it is important that the product is returned in the original factory box and packaging.

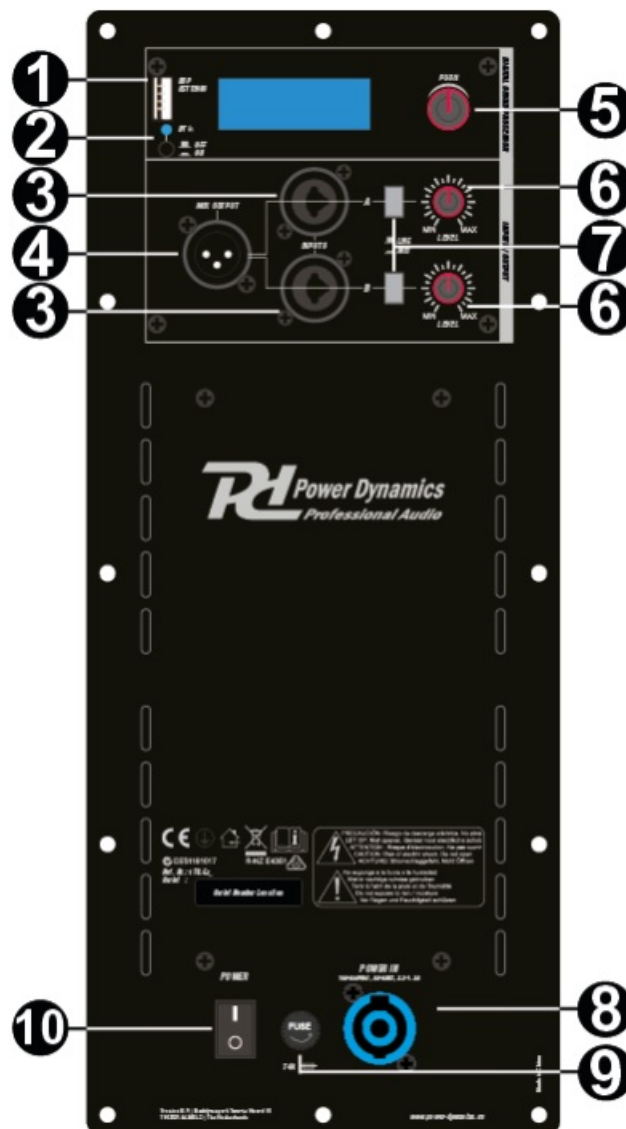
If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The rising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

## POWERSUPPLY

The label on the back/underside of the product indicates the mains voltage to which it must be connected. Check

that the mains voltage corresponds to this. Any other voltage than the one indicated may cause irreparable damage to the unit. The unit must also be connected directly to the mains voltage and no dimmer or adjustable power supply may be used. Always connect the device to a protected circuit (circuit breaker or fuse). Make sure the device has an appropriate electrical ground to avoid the risk of electrocution or fire.

## CONTROLS AND CONNECTIONS



1. **DSP SETTINGS USB PORT:** Our sound engineers have set up the speakers to do full justice in most applications. In specific cases, it may be necessary to adjust the DSP settings. Software for this is available on request. Note: Any changes made to the settings are at own risk.
2. **BT STREAMING AUDIO BUTTON:** See chapter “CONNECTING WITH BT FOR AUDIO STREAMING” for detailed instructions on how to set up a BT connection.
3. **COMBO JACK INPUT:** Combo jack input, suitable for both XLR and 6.3mm jack.
4. **MIX OUTPUT:** XLR mix output for channel A and B.
5. **DSP CONTROL:** Knob to control the digital sound processor.
  1. **Mode:** Music / Live / Speech / DJ
  2. **Location:** Normal / Monitor
  3. **EQ:** High / Mid / Low
  4. **Sub:** Off / 80Hz / 100Hz / 120Hz / 150Hz
  5. **Delay:** Off / 0.1~16ms per 0.1ms

6. **LCD Dim:** On / Off
7. Brightness Level
8. Contrast Level
6. **OUTPUT LEVEL CONTROLS:** Adjust the volume of both A and B channels.
7. **MIC–LINE SWITCH:** Switch between the microphone and line channel.
8. **POWER CONNECTOR B:** Socket for plugging in the supplied power cord.
9. **FUSE HOLDER:** For instructions on how to replace the fuse, please see chapter “REPLACING THE FUSE”.
10. **POWER SWITCH:** Switch to turn the device ON or OFF.

## REPLACING THE FUSE

If the fuse is defective, replace the fuse with a fuse of the same type and value. Before replacing the fuse, unplug mains lead.

Procedure:



- **Step 1:** Open the fuse holder on the rear panel with a fitting screwdriver.
- **Step 2:** Remove the old fuse from the fuse holder.
- **Step 3:** Install the new fuse in the fuse holder.
- **Step 4:** Replace the fuse holder in the housing.

## CONNECTING WITH BT FOR AUDIO STREAMING



1. Activate the BT audio streaming function on your mobile device (smartphone, tablet etc.) from which you want to stream the music. Before attempting, please check the operating instructions corresponding with that device.
2. Press the “BT” button to activate the streaming audio function.
3. Select “PDY SPEAKER” on your mobile device to initiate the connection.

If password is required, you can enter “0000”.

**Attention:** The streaming distance is approx. 10 meter without any barrier.

## TECHNICAL SPECIFICATION

	<b>PDY212A</b>	<b>PDY215A</b>
Ref. Nr:	178.642	178.644
Input connections	6.3mm jack, XLR (3-pin)	
Output connections	XLR (3-pin)	
Output power: max	700W	800W
Output power: rms	350W	400W
Amplifier type	Bi-amp class D+AB	
Diameter tweeter	1.35"	1.75"
Diameter woofer	12"	15"
Magnet type	Ferrite	
Magnet weight	60oz	
Voice coil	3"	
Frequency response	45Hz-20KHz	
Impedance	4ohm	
SPL max	128dB	130dB
Dimensions (LxWxH)	370 x 370 x 620mm	420 x 440 x 725mm
Weight (kg)	19,70	24,70

The specifications are typical. The actual values can slightly change from one unit to the other. Specifications can be changed without prior notice. The products referred to in this manual conform to the European Community Directives to which they are subject:

#### **European Union**

Tronios B.V., Bedrijvenpark Twente Noord 18, 7602KR Almelo, The Netherlands

2014/35/EU

2014/30/EU

2011/65/EC

#### **United Kingdom**

Tronios Ltd., 130 Harley Street, London W1G 7JU, United Kingdom

S.I. 2016:1101

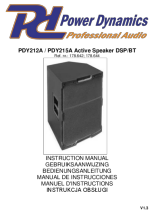
S.I. 2016:1091

S.I. 2012:3032

Specifications and design are subject to change without prior notice. [www.tronios.com](http://www.tronios.com)






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#### **Documents / Resources**



[Power Dynamics PDY212A Active Speaker DSP BT](#) [pdf] Instruction Manual  
PDY212A Active Speaker DSP BT, PDY212A, Active Speaker DSP BT, Speaker DSP BT

## References

-  [Stibat](#)
-  [Stibat](#)
-  [Sound & Light distributor - Tronios.com](#)
-  [Home - Wecycle](#)
-  [Home - Wecycle](#)