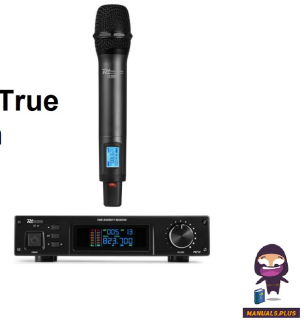




## PD210 Wireless True Diversity System



# Tronios PD210 Wireless True Diversity System Owner's Manual

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**Tronios PD210 Wireless True Diversity System**



Congratulations on the purchase of this Power Dynamics product. Please read this manual thoroughly before using the unit in order to benefit fully from all features. Read the manual before 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 to avoid electrical shock.

Keep the manual for future reference.

- Before using the unit, please ask for 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 an 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 an 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 hazards, 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, unplug it from the mains. The rule is: Unplug it from the mains when not in use.
- If the unit has not been used for a long period, 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 instructions.
- Do not repeatedly switch the fixture on and off. This shortens the lifetime.
- 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 has a speaker inside, which can cause a magnetic field. Keep this unit at least 60cm away from a computer or TV.
- If this product has 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.
- Otherwise, the battery may be permanently damaged.
- If the battery is damaged, please replace it with the same specifications. And dispose of the damaged battery environmentally friendly manner.
- 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 before unplugging it from the mains and/or other equipment. Unplug all leads and cables before 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 damage and faults!
- The mains voltage is 220-240Vac/50Hz. Check if the power outlets 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 CE-certified. 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 centre.

- 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 invalidate 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 a disrespect of the safety recommendations and warnings. This is also applicable to all damages in whatever form.

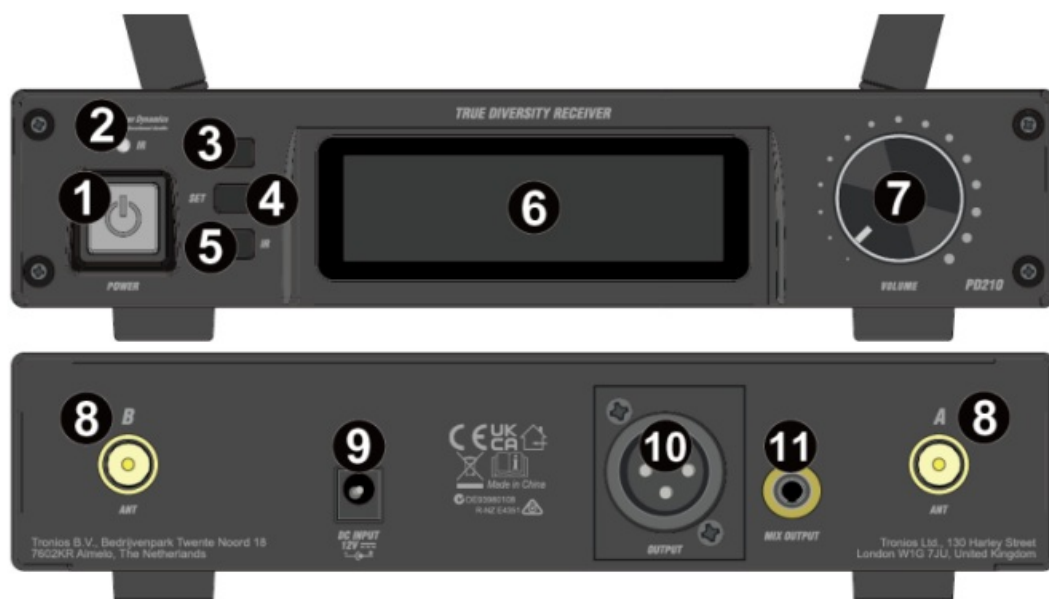
## UNPACKING INSTRUCTION

**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, the product must be 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. Therisingg 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.

## RECEIVER



### 1. Power

Press to turn the PD SERIES receiver on/off.

### 2. IR

Infrared (IR) signal transmitter.

3. **Up**

Up key.

4. **Set**

Press to enter the menu and confirm input.

5. **Down / IR**

Down key / turn on IR transmitter.

6. **LCD**

7. **Volume**

Rotate it to adjust the volume level.

8. **Antenna connector**

Connectors for attaching the supplied antennas.

9. **12V DC input**

Power input for connecting the supplied power adapter.

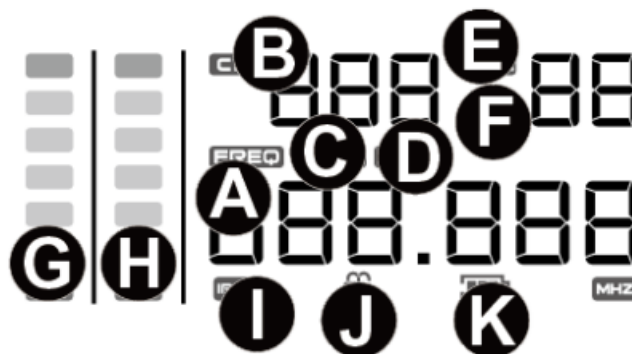
10. **Output**

XLR output connector for connecting the receiver to the input of a mixer.

11. **Mix output**

6.3mm mix output jack.

**RECEIVER DISPLAY**



- **A. Frequency**

This six-character display is used to show the frequency.

- **B. Channel**

Displays the selected channel for the PD SERIES transmitter.

- **C. Scan**

Indicates the status of the auto-scan function. When turned on, the least interfering frequency will be used.

- **D. Mute**

Indicating no connection between receiver and transmitter.

- **E. Volume**

Indicates the volume output level.

- **F. Squelch**

Indicate the level of squelch setting. The squelch function allows you to filter out constant white noise. To activate, set the squelch setting to the lowest possible setting and then increase it to the point where the noise disappears. The unit should be silent except for transmissions that are stronger than background activity, so you can hear those transmissions much more clearly.

- **G. A / B signal**

Indicates the signal strength/reception for channel A/B.

- **H. Level**

Indicating the level of the received audio signal.

- **I. IR**

Indicate the status of the infrared (IR) function. When shown, the frequency of the transmitter and receiver can be matched. To initiate, press and hold ▼ on the receiver. The IR icon will be flashing on the display. Move the IR receiver of the transmitter (handheld/bodypack) in range of the IR transmitter on the receiver module and keep it there for 3 seconds.

- **J. Lock**

Indicates the status of the lock function. When shown, the transmitter is locked.

- **K. Battery**

Indicate the battery level of the transmitter.

## RECEIVER FUNCTION

- **Frequency selection**

Press SET to enter the menu. Press ▲ or ▼ to change the frequency.

- **Squelch adjustment**

Double press SET, the squelch icon (SQ) will flash on the display. Press ▲ or ▼ to change the squelch value.

- **Auto scan**

Triple press SET, the scan icon (SCAN) will flash on the display. Press ▲ or ▼ to turn auto scan on/off.

- **Lock function**

Press and hold SET (of left channel) to lock/unlock the receiver.

- **Change volume**

Rotate the volume knob to change the volume.

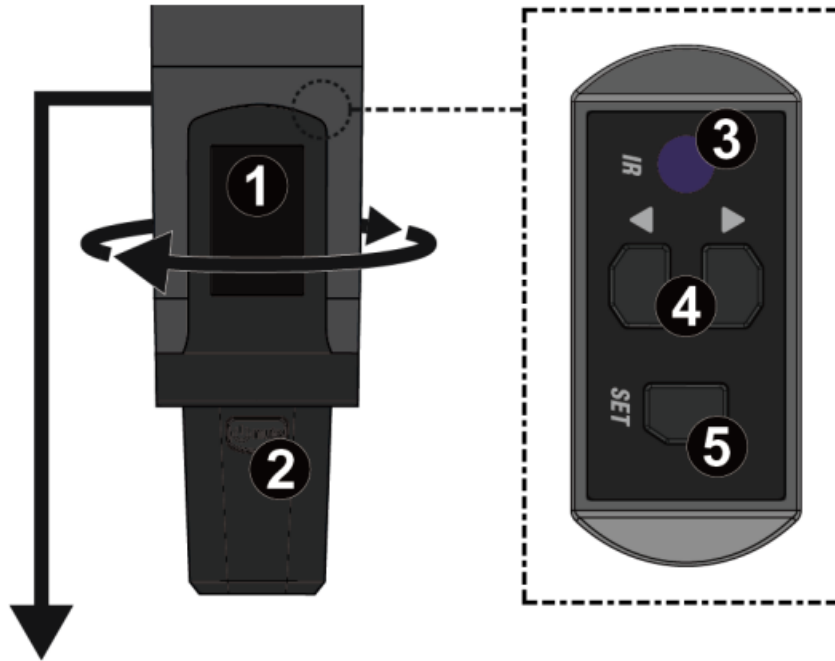
- **IR match**

Press and hold ▼ on the receiver. The IR icon will be flashing on the display. Move the IR receiver of the transmitter (handheld/bodypack) in range of the IR transmitter on the receiver module and keep it there for 3 seconds.

## TRANSMITTER

### HANDHELD

Rotate the bottom part of the microphone and unscrew it. When fully unscrewed, slide the bottom part down to uncover the controls and battery compartment. Insert the correct batteries (2x AA).



## LCD

### Power/mute

Press and hold to turn the microphone on/off. When on, press to (un)mute the microphone.

### IR receiver

When the IR flashes on the display, move the IR receiver of the transmitter (handheld/bodypack) in range of the IR transmitter on the receiver module and keep it there for 3 seconds to match the frequency

### Up / down

▲ and ▼ function buttons.

### Set

Press to enter the menu and confirm input.

## TRANSMITTER FUNCTION HANDHELD

### Power on/off

Press and hold POWER/MUTE to turn the microphone on/off.

### Mute

When the microphone is on: press POWER/MUTE to (un)mute the microphone. When enabled, the button will light up in red.

### Frequency selection


Press SET to enter the menu. Press ▲ or ▼ to change the frequency.

### RF power

Double press SET, RF-HI, or RF-LOW will be flashing on the display. Press ▲ or ▼ to change the setting.

### UHF

No license required (excluding geographical restrictions)

				
BE	DK	F	FI	DE
HU	IT	NL	NO	PL
PT	RO	SI	ES	SE
CH	GB			

## TECHNICAL SPECIFICATION

### RECEIVER

- Output connection: .3mm Jack, XLR (3-pin)
- Microphone channels: 160 channels
- Dynamic range : >85dB
- Frequency: 823.000 – 832.000 MHz
- Frequency response 40Hz – 17.000Hz
- Frequency stability:0.002%
- RF output : 10mW 10 mW sensitivity : -90dB
- Signal-to-noise
- ratio : >90dB
- THD : <1%
- Power supply: 100-240
- VAC 50/60Hz (12V Adapter)
- Power consumption 0.055 – 0.028A
- Dimensions receiver: 320 x 380 x 95mm
- Weight set 2,30kg

### HANDHELD

- Microphone channels: 160 channels
- Dynamic range : >85dB
- Frequency: 23.000 – 832.000 MHz
- Frequency response: Hz – 17.000Hz
- Frequency stability: 0.02%
- RF output: <1 10 mW
- Batteries : 3V (2x AA)
- Dimensions (L x W x H) : 51 x 250mm
- Weight: 0,40kg

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 United Kingdom

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Tronios Ltd.,  
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2014/35/EU S.I. 2016:1101  
2014/30/EU S.I. 2016:1091  
2011/65/EC S.I. 2012:3032  
2014/53/EU S.I. 2017:1206

Specifications and design are subject to change without prior notice.

[www.tronios.com](http://www.tronios.com)

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## Documents / Resources

	<p><a href="#">Tronios PD210 Wireless True Diversity System</a> [pdf] Owner's Manual 179.034, PD210 Wireless True Diversity System, PD210, Wireless True Diversity System, True Diversity System, Diversity System, System</p>
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## References

- [Samen zijn we open. Samen staan we sterk. - Stichting OPEN](#)
- [Samen zijn we open. Samen staan we sterk. - Stichting OPEN](#)
- [Sound & Light distributor - Tronios.com](#)
- [Homepage Wecyle - Wecyle](#)
- [Homepage Wecyle - Wecyle](#)
- [User Manual](#)

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