

UHF Personal Monitor Wireless System Prodipe IEM7120

User Manual



Safety Information

Thank you for purchasing this digital appliance. To ensure perfect operation and security, please read the manual carefully and retain it for future reference.

Precautions



The lightning flash with the arrowhead symbol in an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” inside the appliance that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Important Instructions

- 1) Read these instructions.
- 2) Retain these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this appliance near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any of the ventilation openings that were installed in accordance with the manufacturer’s instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the plug provided does not fit into your outlet, consult an electrician to ensure replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits from the appliance.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the appliance. If using a cart, be careful when moving the cart/appliance combination to avoid injury from tip-over (Figure 1).
- 13) Unplug this appliance during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way, for example, the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen inside the appliance, the appliance has been exposed to rain or moisture, does not operate normally, or has been dropped.



(Figure 1)

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: The appliance should not be exposed to drips or splashes of water. Objects filled with liquids, such as vases, should not be placed on the appliance.



This logo indicates that the product can be recycled after it has been used. Please do not dispose of the product with your normal household waste. Return the product to the shop where you purchased it or place it in the designated recycling container.

Actual product(s) may differ from illustrations/photographs used

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Introduction

We would like to thank you for buying this product. To gain maximum satisfaction from your Prodipe IEM7120 Personal Monitor Wireless System, please read the instructions in this manual carefully. It is important that you keep the manual in a safe place. Before leaving the factory, every product is meticulously checked by our extremely thorough quality control team.

Statement of Compliance

The equipment complies with the essential requirements of the European Directive R&TTE 2014/53/EC*. Before using any of the devices, please observe all applicable country-specific regulations. This radio equipment is intended for use in musical professional entertainment and similar activities.

*See statement of compliance at www.prodipe.com

Description of the IEM7120

The Prodipe IEM7120 UHF personal monitor wireless system includes an audio transmitter and receiver built with the highest quality components to maintain a link between the audio source (mixing desk, front mix, soundtracks, etc.) and your ears via the IEM3 earphones and bodypack receiver.

Boasting a set of professional in-ear monitors that offers comfort and discretion, the system provides on-stage singers, musicians and public speakers with excellent personal audio quality and complete freedom of movement.

Each bodypack receiver can simultaneously pick up signals from as many as 10 transmitters while still maintaining a link.

Features of the IEM7120



Transmitter



Mains Adaptor



BNC Antenna



Bodypack



IEM3 earphones



User Manual



Adaptable rack ears for 19" rackmount (1 unit)



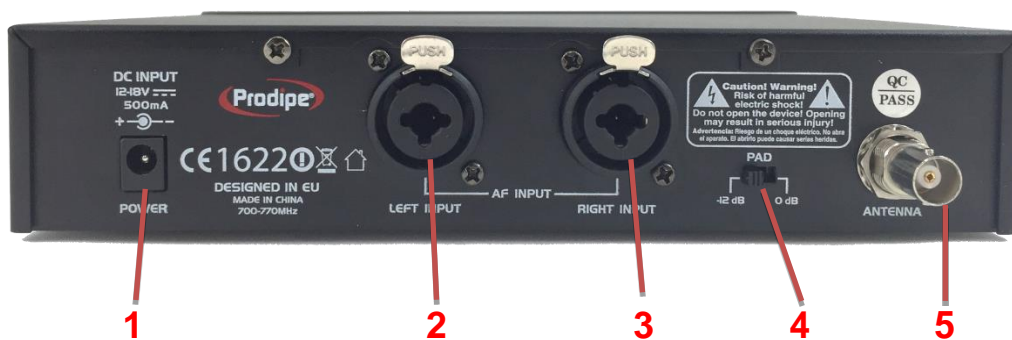
Functions of the IEM7120 transmitter

Front Panel



1. On/off switch (POWER)
2. LCD screen with information display (channels, etc.)
3. Menu/Set button (up "▲", down "▼")
4. Input level knob (see also rear panel input attenuator pad)
5. Headphone jack (6.35mm) for earphones
6. Headphone volume knob

Rear Panel

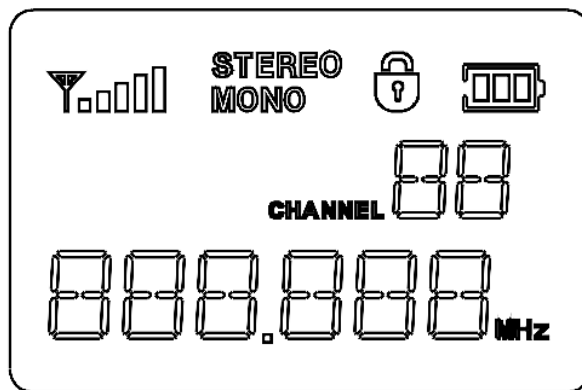


1. DC Adaptor (12-18V 350mA)
2. Combo XLR/Jack Input (LEFT)
3. Combo XLR/Jack Input (RIGHT)
4. Input Attenuator Pad (-12dB/0dB)
5. BNC Antenna socket

Functions of the bodypack receiver:



1. Fixed antenna
2. On/off switch/volume knob for the earphones
3. Output Jack (3.5mm) for Prodipe IEM3 earphones
4. Battery indicator light (flashes red when battery power low)
5. Visual indicator for UHF signal (RF)
6. LCD screen with information display (channels, etc.)
7. "ESC" button (menu)
8. Up "▲" (menu)
9. Down "▼" (menu)
10. "SET" button (menu)
11. Battery compartment (takes two AA batteries, not included)
12. Belt clip



To attach the bodypack to your belt or item of clothing, turn the receiver round and use the belt clip at the back. For guitars or other instruments that have a strap, you can also attach the receiver to this strap.

The expected life for two standard alkaline batteries is approximately five hours at a mid level volume. When the battery indicator begins to flash on the bodypack LCD screen, the batteries should be changed as soon as possible (see image).

IEM3 earphones



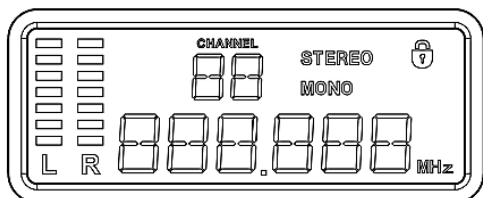
The IEM3 earphones have been ergonomically designed to ensure that no external noise can interfere with the listening experience for musicians on stage, on the road or in the studio. They offer perfect neutrality and an impeccable balance between lows and highs.



Programming the transmitter

Switching on the IEM7120 transmitter:

Hold the POWER button down for 3 seconds until your transmitter comes on.
Do the same to switch off.

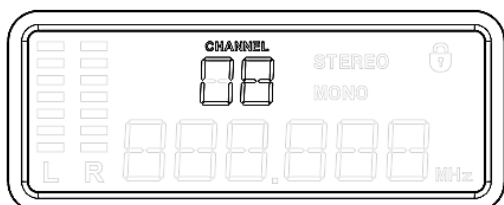


Selecting the group and channel for your system:

Press the "SET" button (system setup) and the "Group" indicator will flash on the screen. Press on the "▲" or "▼" button to select the number of the appropriate frequency group.

Press the "SET" button again and the "CHANNEL" indicator will flash on the screen. Press on the "▲" or "▼" button to select the appropriate channel.

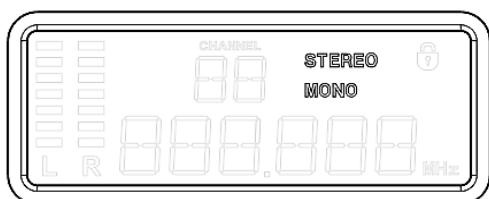
FOR INFORMATION: when you have several systems on the go, make sure that all your systems are using the same frequency group and select a different channel number for each system.



Selecting mono or stereo mode:

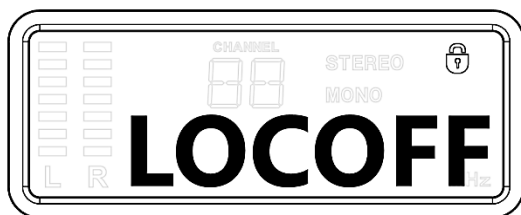
Hold down the "SET" button (system setup) until the "STEREO" indicator flashes. Press on the "▲" or "▼" to select "STEREO" (L+R) or "MONO" (L+R), then press on the "SET" button again to exit the menu.

FOR INFORMATION: In "STEREO" mode, if only one connector lead is connected to the transmitter, the signal will automatically be transmitted in mono (L to R+L or R to R+L).



Locking the menu:

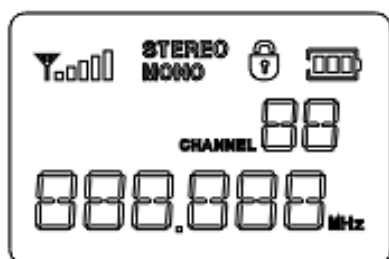
Hold down the "SET" button (system setup) until the "Lock Select" indicator comes on.
Press on the "▲" or "▼" button to select the "LOCKON" function or "LOCOFF" function.



Programming the bodypack receiver

Switching on the bodypack:

Switch your bodypack receiver on by turning the volume knob clockwise.
Do the opposite to switch off.

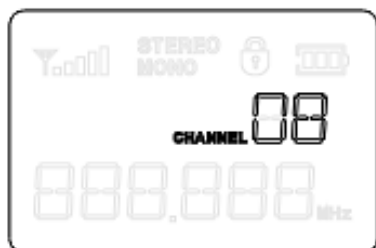


Selecting the group and channel for your system:

Press the "SET" button (system setup) and the "Group" indicator will flash on the screen.
Press on the "▲" or "▼" button to select the number of the appropriate frequency group.

Press the "SET" button again and the "CHANNEL" indicator will flash on the screen. Press
on the "▲" or "▼" button to select the appropriate channel.

*FOR INFORMATION: when you have several systems on the go, make sure that all your
systems are using the same frequency group and select a different channel number for
each system.*



Locking the menu:

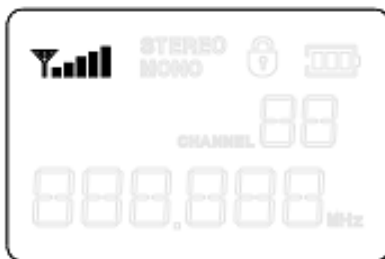
Hold down the "SET" button (system setup) until the "Lock Select" indicator comes on. Press on the "▲" or "▼" button to select the "LOCKON" function or "LOCOFF" function.



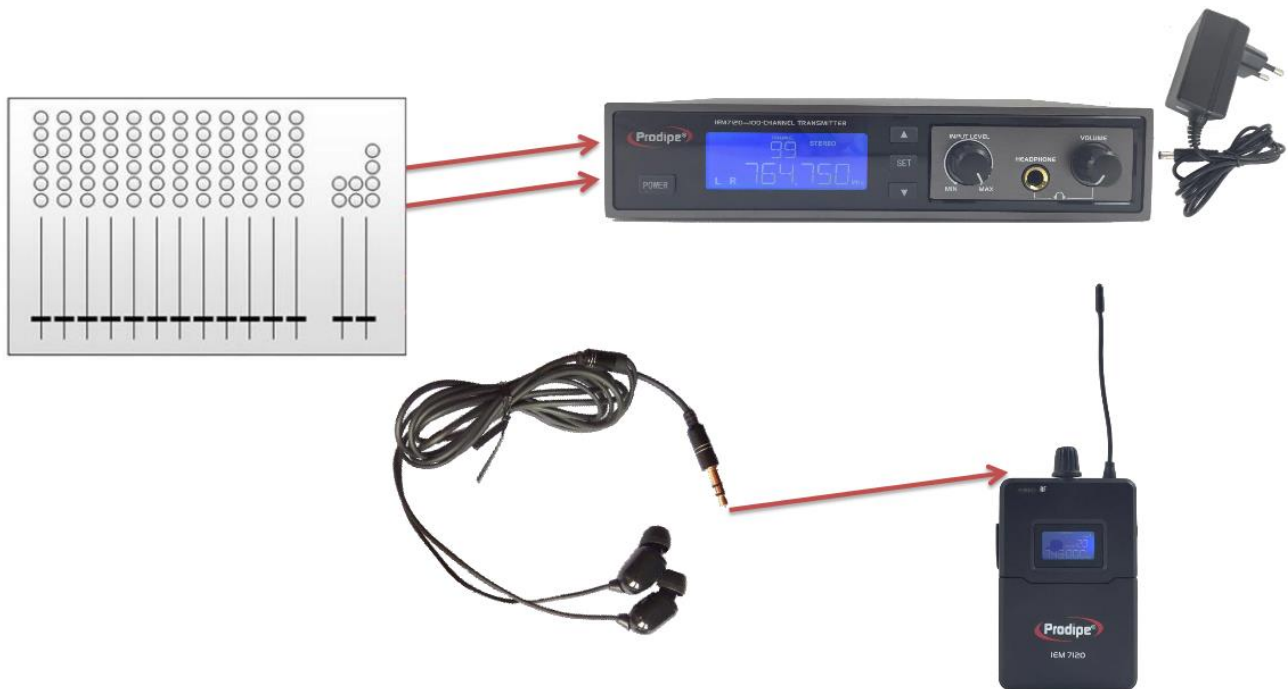
"L" and "R" balance in stereo/mono:

At any given moment you can use the "▲" and "▼" buttons to find the right balance between "L" and "R" channels (STEREO), or if you're in MONO, to find the right balance between the mixed "L" and "R" signals.

At any given moment you can check the strength of the UHF signal on the bodypack receiver screen (signal strength indicator in bars).



Audio connections



Connect the audio source (mixing desk, front mix, etc.) to the XLR/Jack inputs on the IEM7120 transmitter. An attenuation level of -12dB has been set (at the rear of the device) to reduce the considerable input level from certain decks. Next adjust the level using the "INPUT LEVEL" knob at the front of the device.

Only one mono input can be used. See instructions on page 8 on how to set your transmitter to mono.

Connect one end of the mains adaptor to the dc input socket at the rear of the receiver and the other end to a standard power outlet (230V/50Hz).

A 6.35mm audio output Jack is located alongside the "VOLUME" knob at the front of the transmitter. It controls the signal sent by the transmitter.

Connect the IEM3 earphones to the 3.5mm output Jack on the bodypack receiver. Use the knob to adjust the volume.

Two rack ears have been provided to ensure that the IEM7120 transmitter can be rack mounted into a single 19" rack unit.

Specifications

IEM3 earphones

- Earphone diameter: 10mm
- Impedance: 16Ω
- Sensitivity: 95±3 dB
- Frequency response: 10Hz-22kHz
- Cable length: about 1.2 m
- Connector type: 3.5mm (stereo)
- Supplied with two pairs of rubber earbuds (large size and small size)

IEM7120 (transmitter and bodypack receiver):

- Frequency stability: ± 0.005% PLL
- UHF frequency range: 700 to 770MHz
- Modulation : FM Stereo
- Operating range: 80m (optimum conditions, outside)
- Bandwidth: 24MHz
- S/N ratio: >105dB
- THD: <0.4% to 1KHz
- Frequency range: 40Hz~16KHz ± 3dB

IEM7120 transmitter:

- Output power: 30mW
- Harmonic modulation: <-60dBm
- Audio input: Combo XLR/ 6.35mm Jack (x2)
- Audio output: Jack 6.35mm
- Dimensions (W x H x D): 210mm x 43mm x 206mm
- Weight: 2.5kg

Bodypack receiver:

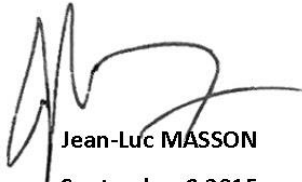
- Stereo separation: ≥45dB à 1KHz
- Audio output: Jack 3.5mm (stereo headset)
- Audio output power: 2 x 150mW to 1KHz (THD3%)
- Battery type: two AA batteries (not included)
- Electricity consumption (typical): 185mA
- Battery life: about 7 hours (optimum conditions, outside)
- Dimensions (W x H x D): 66mm x 108mm x 22mm
- Weight: 190g

Precautions and guarantee conditions

- For hygienic reasons, you should replace your IEM3 earbuds from time to time. CAREFUL: do not use any cleaning products that may contain solvents.
- Use a soft, dry cloth to clean your earphones. If necessary, the earphones can be washed in soapy water (use a mild cleanser such as washing-up liquid).
- Avoid listening through your earphones at high volume for prolonged periods, as this may cause irreversible damage to your hearing. We recommend that you keep the volume at a reasonable level.

Prodipe and its distributors decline all responsibility for any damage caused to the unit in the event that the above precautions are not followed.

Declaration of conformity

IPEmusic	Prodipe	CE Declaration of Conformity of Prodipe IEM7120
C €16220		
CE Declaration of Conformity:	Prodipe IEM7120	
Certification Number:	PRO20150909	
IPE Music/Prodipe hereby declares that the product, Prodipe IEM7120 to which this declaration relates, is in material conformity with the following standards or other normative documents:		
Country of origin:	People's Republic of China (P.R.C.)	
Product:	Prodipe IEM7120	
Directives applied:	2014/53/EEC (RTTE) 2006/95/EEC (LVD) 2004/108/EEC (EMC)	
Standards applied:	EN60065:2002+A1: 2006+A11:2008+A2:2010+A12:2011 EN62479:2010 ETSI EN 301 489-1 V1.9.2:2011 ETSI EN 301 489-9 V1.4.1:2007 ETSI EN 300 422-1 V 1.4.2:2011 ETSI EN 300 422-2 V 1.3.1:2011	
Test reports:	HST201507-2279-CE-E HST201507-2279-CE-F HST201507-2279-CE-R HST201507-2278-CE-S1	
<p>The products described herein were manufactured under the standards of the European Union and Worldwide Standards listed above and IPE Music/Prodipe certifies that the above information is true and correct. A copy of the aforementioned Letter of Conformance is on the file at the offices of IPE Music/Prodipe.</p> <p>I, the undersigned declare that the equipment specified above conforms to the above directives and standards.</p>		
		 Jean-Luc MASSON September,9 2015
IPE MUSIC/PRODIPE - 20, RUE CLEMENT ADER - 85340 OLLONNE SUR MER – FRANCE		

Notes

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