

USER MANUAL



Studio Monitors

TDC5 – TDC6 – TDC8



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



(Figure 1)

- 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.

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.

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1 – Introduction

Thank you for choosing this PRODIPE product.

Safety Information

To ensure both your safety and the proper functioning of this product, please take the time to read the safety instructions on the back cover.

WARNING. To avoid any possibility of electric shock, please do not remove the back panel of this product. For any repair work please contact either the shop where you purchased the product or a qualified technician.

Please note that when the volume is turned up high, this equipment can produce sound levels which may irreparably damage your hearing.

2 – Connections

To ensure that your studio monitors are properly connected, please adhere to the following steps:

1. Check your audio lead.
2. Switch on the equipment you intend to use with the speakers (console, PC, audio equipment, etc.).
3. Check the speaker settings and your audio equipment (volume turned down to its lowest level).
4. Check the voltage ②, turn the Prodipe speaker POWER switch ① to ON - the LED ③ should light up.

Note that: when powering off, the Prodipe speakers should be switched off first (switch ① to OFF and LED ③ goes out).

Important: the choice of voltage via the AC SELECT switch ② depends on your power supply. Any change to the voltage should be carried out when the speakers are off (switch ① to OFF and speakers unplugged from the power supply).

	TDC 5		TDC 6		TDC 8	
POWER SUPPLY	110V – 120V	220V – 240V	110V – 120V	220V – 240V	110V – 120V	220V – 240V
AC SELECT ②	115V	230V	115V	230V	115V	230V
FUSE ④	1A	500mA	2A	1A	2A	1A

Figure 1

3 - Settings

Various settings are available on the back panel of the speakers:



Figure 2 - Back Panel

VOLUME

The gain can be adjusted using the VOLUME control switch on the rear panel of the speakers (see Figure 3).

It can be set between -30dB and +6dB.

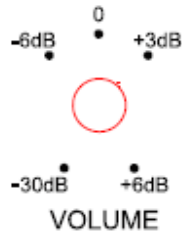


Figure 3

ADJUSTING THE HIGH FREQUENCIES (HF LEVEL)

The high frequency level can be set using the HF control switch on the rear panel of the speakers (see Figure 4). The following levels are available: +1dB, 0dB (flat), -1dB, and -2dB.

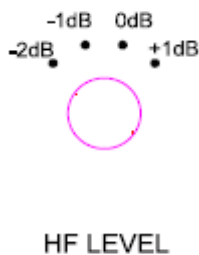


Figure 4

4 – Audio input/output sockets

The XLR and TRS sockets are balanced; the RCA is unbalanced.

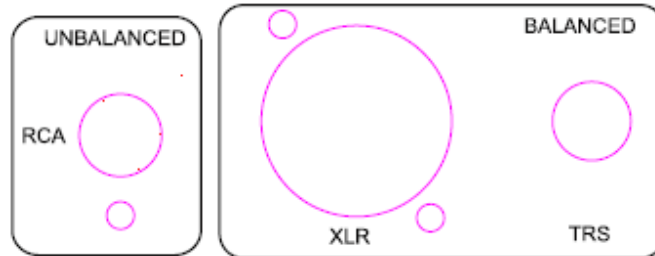


Figure 5 – TRS, XLR, RCA inputs

5 – Speaker Orientation



Figure 6

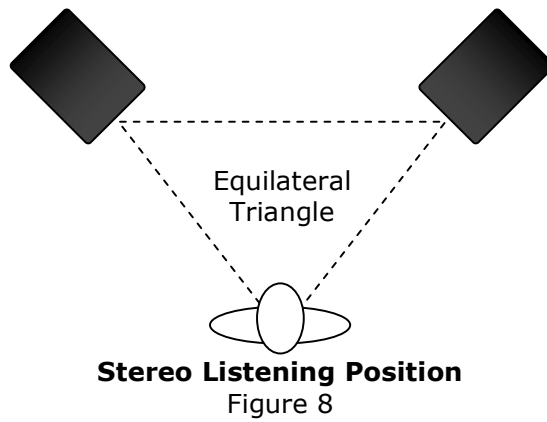
The Prodipe studio monitors can be placed upright or at an angle.



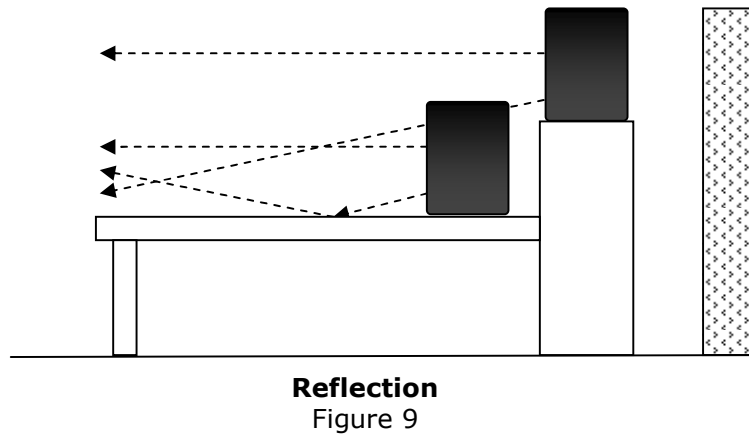
Figure 7



Speaker Orientation for Stereo Listening



Positioning your speakers correctly in a studio setup is critical to their performance. Reflection is the most likely acoustic problem you will have to deal with. As shown in Figure 8, where you place the speakers in relation to a mixer console can modify the sound wave and hence alter how that sound is perceived.



6 - Specifications

	TDC 5	TDC 6	TDC 8
Frequency Response (+/- 3db)	60Hz - 20kHz	50Hz - 20kHz	40Hz - 20kHz
High Frequency Driver	1" (25 mm) Magnetically shielded Silk dome	1" (25 mm) Magnetically shielded Silk dome	1" (25 mm) Magnetically shielded Silk dome
Low Frequency Driver	5.25" (130 mm) Aluminium cone	6.5" (165 mm) Aluminium cone	8" (200 mm) Aluminium cone
AMPLIFICATION			
LF Power	40 watts	60 watts	80 watts
HF Power	20 watts	20 watts	30 watts
Signal to Noise Ratio	> 92 db	> 95 db	> 98 db
Input Impedance			
Balanced	20K Ohm	20K Ohm	20K Ohm
Unbalanced	10K Ohm	10K Ohm	10K Ohm
Crossover Filter Type	Active	Active	Active
FUSE 5mm x 20mm			
110V - 120V	1A	2A	2A
220V - 240V	500mA	1A	1A
FEATURES	1 XLR input 1 TRS input 1 RCA input IEC mains connector VOLUME control HF LEVEL control LED power indicator	1 XLR input 1 TRS input 1 RCA input IEC mains connector VOLUME control HF LEVEL control LED power indicator	1 XLR input 1 TRS input 1 RCA input IEC mains connector VOLUME control HF LEVEL control LED power indicator
Dimensions (H x W x D) in mm	274.8 x 181 x 210	306.5 x 210 x 251	350 x 250 x 280
Weight (per unit)	6kg	8kg	10kg



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