

Owner's Manual

Model 6301D

Digital Personal Monitor





Introduction

Thank you very much for purchasing the Model 6301D.

Model 6301D is the digital personal monitor with 10W of internal power amplifier and is equipped with the digital input terminal (XLR-3-31 type) as well as the analog input terminal (PHONE). Furthermore, the digital through terminal (XLR-3-32 type) can be used to connect multiple 6301D.

Fully read this manual before using the unit so that you can use the unit properly.

Fostex®

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER - SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

"WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

SAFETY INSTRUCTIONS

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.



An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION:

POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point 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 appliance.

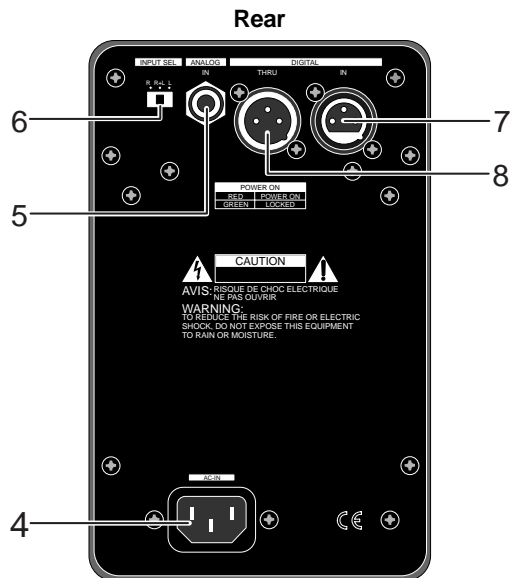
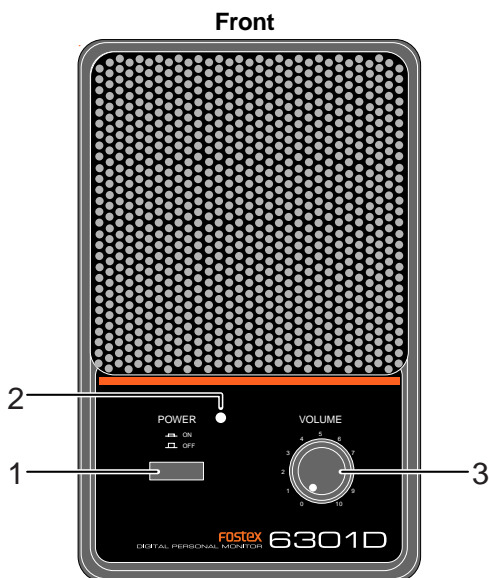
12. Power Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
14. Nonuse Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
17. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
18. The appliance should be situated away from drops of water or spray of water.
19. Objects containing liquid such as vase must not be put on the appliance.
20. The appliance is not completely isolated from the power supply even if the power switch is at off position.
21. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
22. Only use attachments/accessories specified by the manufacturer.
23. An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.
24. An appliance should be placed in a position where an AC plug/inlet can be easily pulled out by hand.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for 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 they exit from the apparatus.
- 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 apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



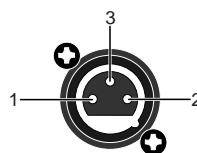
Names and functions



- 1) **POWER switch**
Turns on or off the unit main power.
- 1) **POWER indicator**
The power indicator is lit in RED when 6301D is turned on. When resolving to an incoming digital signal, the LED color changes to GREEN.
- 3) **Output level control**
Adjusts the output level of the internal power amplifier.
- 4) **AC IN connector**
Connect to the AC outlet using the supplied power cord. Make sure that the AC outlet voltage matches the unit.
- 5) **[ANALOG IN] connector (phone jack)**
Receives a -10dBV analog audio signal. When a plug is inserted into this terminal, the analog signal has a priority over the digital signal fed to the [DIGITAL IN] terminal.
- 6) **[INPUT] select switch**
Switches the digital input signal channel (L, L+R or R).

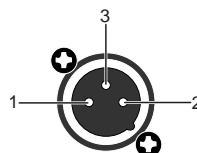
- 7) **[DIGITAL IN] connector (XLR-3-31 type)**
This connector accepts an AES/EBU digital signal at the sampling frequency within the 44.1kHz to 96kHz range.

<CAUTION>: When a plug is inserted into the [ANALOG IN] terminal, the [DIGITAL IN] terminal is cut off. Thus, no digital signal can be input.



Pin 1	Ground
Pin 2	Hot (+)
Pin 3	Cold (-)

- 8) **[DIGITAL THRU] connector (XLR-3-32 type)**
This connector echoes the digital signal received at the [DIGITAL IN] connector.



Pin 1	Ground
Pin 2	Hot (+)
Pin 3	Cold (-)

Main specifications

<Speaker section>

- Unit: 10 cm, cone type, magnetically shielded type x 1
- Impedance: 4 ohms
- Output sound pressure level: 84 dB/W (1m)
- Frequency response: 80 Hz to 13 kHz

<Power amplifier section>

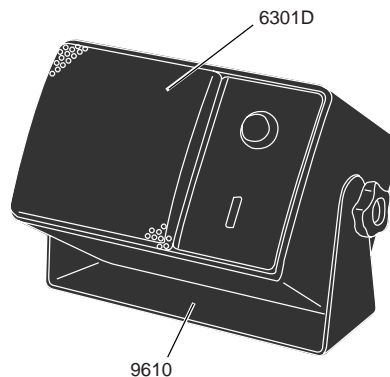
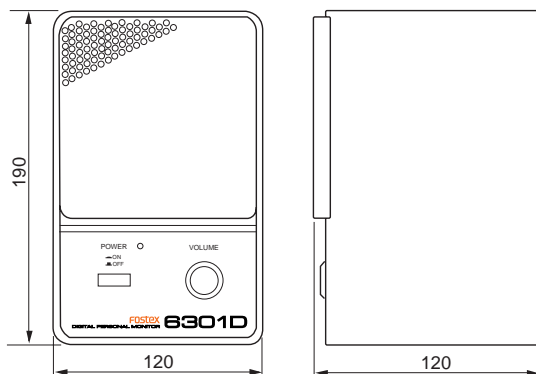
- Rated output power: 10 W or more (4 ohms, 1 kHz)
- Residual noise: -60 dBV or less (DIN AUDIO)
- Distortion: 0.5 % or less (10 W/4ohms, 1 kHz)
- Digital input
 - Connector: XLR-3-31 type (balanced)
 - Format: IEC 60958 (AES/EBU)
 - Sampling frequency: 44.1 kHz to 96 kHz
- Digital thru
 - Connector: XLR-3-32 type (balanced)
 - Format: IEC 60958 (AES/EBU)

• Analog input

- Connector: 1/4 phone jack (unbalanced)
- Nominal input level: -10dBV
- Input impedance: 10 kohms or more

<General>

- Dimensions: 120 (W) x 190 (H) x 120 (D) mm
- Weight: Approximately 2 kg
- Power requirement: 120VAC 50/60Hz
230VAC 50/60Hz
240VAC 50/60Hz
- Power consumption: 6W
- Supplied accessories: Power cord, Owner's manual
- Optional accessories: Model 9610 mounting bracket (see below.)



* Specifications and appearance are subject to change without notice for product improvement.

Declaration of EC Directive

This equipment is compatible with the EMC Directive (89/336/EEC) - Directive on approximation of member nation's ordinance concerning the electromagnetic compatibility and with the Low Voltage Directive (73/23/EEC) - Directive on approximation of member nation's ordinance concerning electric equipment designed to be used within the specified voltage range.

The Affect of Immunity on This Equipment

The affect of the European Specification EN61000-6-1 (coexistence of electromagnetic waves - common immunity specification) on this equipment are as shown below.

In the electrical fast transient/burst requirements, surge, conducted disturbances by radio-frequency fields, power frequency magnetic field, radiate electromagnetic field requirements and static electricity discharging environment, this could be affected by generation of noise in some cases.

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