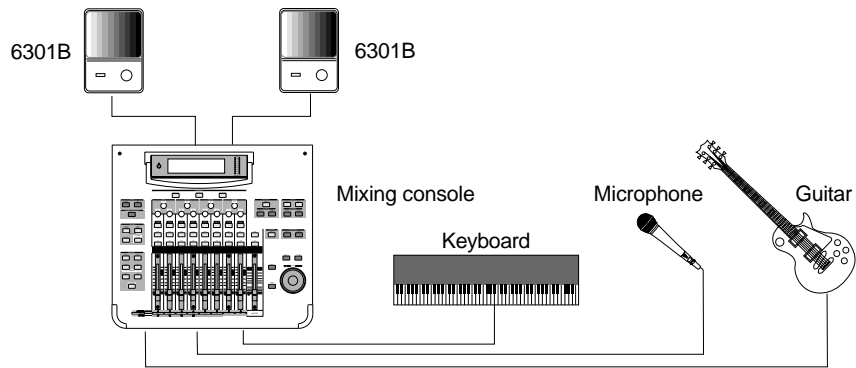


Typical Connections

In most applications, line level signals from mixers such as the FOSTEX Multitracker will be used to drive the 6301B Personal Monitor.



Specifications

Speaker section

Type	10cm full range single cone
Impedance	4Ω
Output sound pressure level	84dB (W/m)
Frequency range	80Hz ~ 13kHz

Amplifier section (EXT SP jack)

Output	Higher than 10W RMS (8Ω load)
Freq. range	20Hz ~ 50kHz (0dB, -3dB)
Distortion	0.05% at 1W output
Residual noise	-70dBV (0.3mV)
Minimum input sensitivity (for maximum output)	Unbalanced Type: -6dBV (0.5V RMS) Balanced Type: +4dBm (1.2V RMS)
Input impedance	Unbalanced Type: Higher than 20kΩ Balanced Type: Higher than 10kΩ
Mains power	120VAC 60Hz (USA/Canada) 33W 230V~ 50/60Hz (Europe) 33W 240V~ 50Hz (U.K./Australia) 33W

Dimensions 188 (H) x 120 (W) x 118 (D) mm

Weight 3.0kg (6.6 lbs)

Rating and physical appearance subject to change without prior notice.

FOR HOUSEHOLD USE ONLY.

FOSTEX CO. 3-2-35, Musashino, Akishima-shi, Tokyo, Japan 196-0021

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Model 6301B

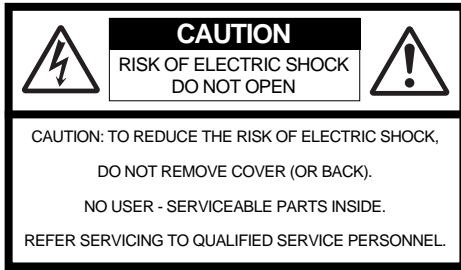
PERSONAL MONITOR Self-Powered



Owner's Manual

Fostex Model 6301B Personal Monitor Speaker can perfectly handle a wide variety of monitoring applications. It can monitor any level of line signals. The Model 6301B can be directly connected to the outputs of tape recorders and electronic musical instruments, or through recording mixers and multitrackers. There are Two Versions in the Model 6301B. The one is the Balanced Type equipped with both 1/4 inch Phone Jack and Cannon Type Jack. The other one is the Unbalanced Type equipped with 1/4 inch Phone Jack only.

FOSTEX®



"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.

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.

11. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
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.

Notes on Operating

The front panel volume control must always be set to minimum when switching on the monitor amplifier or plugging the cable into the input jack. The volume control is then advanced to a comfortable listening level. The internal power amplifier is protected against overloading, such as at short term accidental short circuiting when an external speaker is plugged into the rear panel jack, by an automatic recovery protection circuit.

A.C. Power Source

Fostex Model 6301B can be used in any location where AC voltage is. Please refer to specifications for details. The LED will light to indicate the operating mode when the power switch is pushed ON.

Sound Volume

A control knob for adjusting the sound level is provided on the front panel. With the control knob turned full clockwise, maximum output is obtained by 0.5V (-6dBV), or in the Balanced Type, by 1.2V (+4dBm), respectively, at the input jack.

Input and Ext SP

The INPUT and EXT SP inputs are the standard 1/4 inch phone jacks. The Balanced Type, in addition, have a Cannon connector the rated input level is -10dBV and is +4dBm for the Balanced Type. The internal power amplifier can drive an external speaker via the EXT SP jack.

Operating Method

Line level signals from the Fostex recording mixers and multitrackers are sufficient for driving the Model 6301B and can be directly connected to these outputs.

Note: The internal speaker is disconnected when the Output terminal is engaged.

