

FOSTEX

8588130000
(584954)

Owner's Manual

Vacuum Tube Portable Headphone Amp

HP-V1



Thank you very much for purchasing a Fostex product.
This manual provides instructions for basic use of the unit.
Read this before using the unit for the first time.

Introductions

HP-V1 is a high performance portable headphone amplifier which provides high-quality sound.

The unit amplifies the sound of playback equipment with a line out terminal such as a portable audio player, and outputs through the headphones.

■ Features of the HP-V1

- The unit consists of tube in the initial stage and an operational amplifier in latter stage
- Excellent sound enabled by our original film capacitor and electrolytic capacitor born from our speaker network technologies developed over many years
- Equipped with a headphone amplifier gain switch and supports wide range impedance
- Connect to an audio player easily through the audio input terminal on the front and the back of the unit
- Fin-shaped body aids heat dissipation

■ Accessories

Supplied accessories are listed below. Confirm that accessories are present after purchase.

- AC adapter × 1
- HiFC 3.5 mm Stereo mini phone cable
 - * HiFC is a registered trademark of Hitachi Metals, Ltd.
- Safety information sheet × 1
- Owner's Manual (this book) × 1

■ Caution

<Low temperature burn>

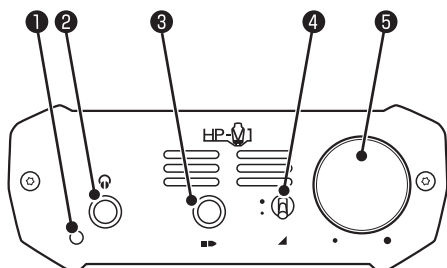
The unit may reach a temperature higher than body temperature depending on your environment. Please note that you may get burned if your skin is in contact with or near the unit directory for a long time.

<Radio wave interference>

If you connect an audio player which is also a communication device such as a smartphone, the sound may have noise due to radio wave interference depending on the model of your device. The noise may be removed if you change the communication mode of your device to one which blocks communication signals such as airplane mode.

Functions

■ Front



❶ Power indicator

LED lights in green : Power on
LED lights in red : On standby
(For 30 seconds after the power is turned on)

LED is off : Power off

❷ Headphone output terminal

Connect to the headphones.

❸ Audio input terminal (front)

Connect to the audio player.

❹ Gain switch

Adjust the headphone gain.

Up : High amplification

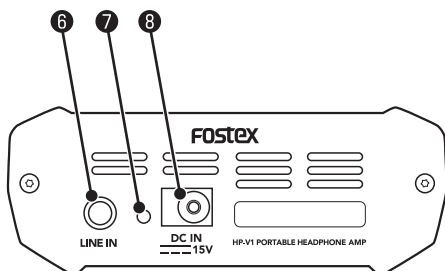
Down : Low amplification

❺ Power switch/volume knob

Adjust the headphone volume.

Power off by turning the knob fully to the left.

■ Back



❻ Audio input terminal (back)

Connect to the audio player.

❼ Battery charging indicator

LED lights : Charging

LED flashes : Battery trouble or outside charging temperature range

LED is off : Charging complete/stopped

❽ [DC IN] terminal

Connect to a power outlet using the supplied AC adaptor to charge.

Preparation

■ Charging

1 Turn off the unit.

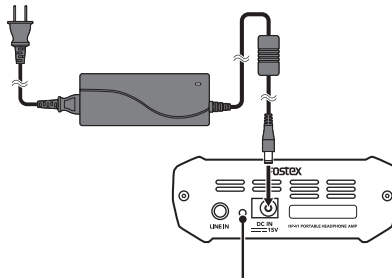
Turn the power switch/volume knob fully to the left to power off.

* Charging stops automatically when the power is on to prevent rising internal temperature.

2 Connect the unit to a power outlet.

Connect the [DC IN] terminal to the power outlet using the supplied AC adaptor.

The battery charging indicator lights in red while charging, and turns off when charging is finished.



LED of battery charging indicator

Play the music

■ Connection and reproduction

⚠ Caution

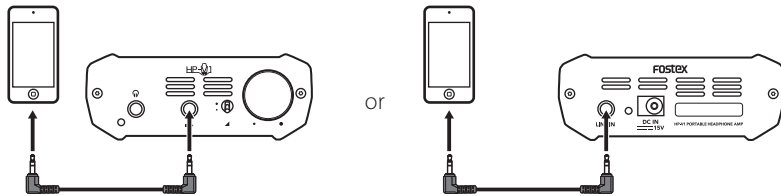
- The power must be off when you make connections.
- The volume of each product must be set to the minimum when powering on after the connection.

1 Connect to an audio player.

Connect the audio player and the unit using the supplied mini phone cable.

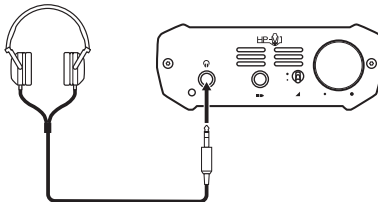
* There is an audio input terminal on the front and back of the unit. You can choose to use either.

If connect to both, only sound input through the front one is played.



2 Connect to the headphones.

Connect the headphones to headphone output terminal.



3 Power on the unit.

The unit is powered on by turning the power switch/volume knob to the right until it makes a clicking sound.

* After the unit is powered on, no sound is played while the power indicator lights in red (standby mode approx. 30 seconds). You can play sound after the power indicator lights in green.

4 Play the music source of the audio player.

5 Adjust the volume.

To turn up the volume, turn the power switch/volume knob to the right.

■ Adjusting the gain

Adjust the gain switch according to your headphone impedance. Switch the gain switch up to raise amplification, and down to lower amplification.

Specifications

Headphone output terminal	Maximum output	Approx. 200 mW (load resistance 32 Ω)
	Connector type	Φ 3.5 mm stereo mini jack
Audio input terminal (front/back)	Connector type	Φ 3.5 mm stereo mini jack
[DC IN] terminal	2.1 mm DC inlet	
Charging time	Approx. 3.5 hours	
Continuous operating time	Approx. 10 hours (load resistance 32 Ω at normal temperature)	
Power supply	DC 15 V (built-in lithium-ion battery)	
Power consumption	Approx. 4 W (with power on)	
Weight	Approx. 390 g (main unit only)	
External dimensions (mm)	88 (width) \times 33 (height) \times 139 (depth, including protrusions)	

* The built-in lithium-ion battery is recyclable. When you want to remove the battery, please contact Fostex or a dealer. Do not remove it yourself.

FCC (U.S.A.) & ICES-003 (Canada) INFORMATION

1. IMPORTANT NOTICE

This product, when installed as indicated in the instructions contained in this manual, meets FCC and ICES-003 requirements. Changes or modifications not expressly approved by Fostex Company for compliance could void the user's authority to operate the equipment. DO NOT MODIFY THIS PRODUCT.

2. IMPORTANT

In order to comply with FCC and ICES-003 requirements, use high quality shielded cables for connection to accessories and / or another products. If any cables are supplied with this product, they MUST be used. Follow all installation instructions. Failure to do so could void your FCC / ICES-003 authorization to use this product in the USA / Canada.

3. NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

4. Compliance with Part 15 of FCC Rules and Canadian ICES-003.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Troubleshooting

Common problems and solutions are listed below.

Problem	Solutions
The battery charging indicator flashes while charging.	<ul style="list-style-type: none">• If the battery exceeds the recommended temperature, the battery charging indicator flashes and charging is stopped for safety purposes. If the indicator continues flashing at normal temperature, there may be a battery problem such as a disconnected wire. Please contact Fostex distributor in your territory. The Fostex distributor list can be found at Fostex website; www.fostex.com
The battery charging indicator turns off even though the unit is connected to a power outlet using the AC adaptor.	<ul style="list-style-type: none">• The unit cannot be charged when the power is on. Turn off the unit before charging.• If the battery falls below the recommended temperature, the battery charging indicator turns off and charging is stopped for safety purposes. If the indicator remains off at normal temperature, there may be a battery problem such as a disconnected wire. Please contact Fostex distributor in your territory. The Fostex distributor list can be found at Fostex website; www.fostex.com
A clinking noise can be heard.	<ul style="list-style-type: none">• If you connect an audio player which is also a communication device such as a smartphone, the sound may have noise due to radio wave interference depending on the model of your device. The noise may be removed if you change the communication mode of your device to one which blocks communication signals such as airplane mode.

Declaration of EC Directive

This equipment is compatible with the EMC Directive (2004/108/EC) - 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.

FOSTEX DISTRIBUTORS LIST IN EUROPE

* Including non-EU countries (as of Jan. 2014)

Austria NAME: Mega Audio GmbH ADD: Stromberger Str. 32, 55411 Bingen, Germany TEL: (+49) 6721-94330, FAX: (+49) 6721-32046 Email: info@megaaudio.de Web Site: http://www.megaaudio.de	Greece NAME: Bon Studio S.A ADD: 6 Zaimi Street, Exarchia, 106.83 Athens, Greece TEL: (+30) 210-3809-605, 606, 607, 608 FAX: (+30) 210-3845-755, 210-3827-868 Email: bon@bonstudio.gr Web Site: http://www.bonstudio.gr	Russia NAME: MS-MAX ADD: Entrance 128, Kutuzovskiy prospekt, 30/32, 121165, Moscow, Russia TEL: (+7) 495-234-0006, FAX: (+7) 495-249-8034 Email: office@ms-max.ru Web Site: http://www.ms-max.ru
Belgium NAME: XLR sprl/bvba ADD: Pierre Strauvenstraat 24, 1020 Brussels, Belgium TEL: (+32) 2 520 0827, FAX: (+32) 2 521 1977 Email: info@xlpro.be Web Site: http://www.xlpro.be	Hungary NAME: Mega Audio GmbH ADD: Stromberger Str. 32, 55411 Bingen, Germany TEL: (+49) 6721-94330, FAX: (+49) 6721-32046 Email: info@megaaudio.de Web Site: http://www.megaaudio.de	Spain & Portugal NAME: ATCONSUMER (Consumer, Hi-Fi system & Speaker Components) ADD: PO BOX 15, 08340 Vilassar de Mar, Barcelona, Spain TEL: (+34) 609 288310 Email: info@atconsumer.es Web Site: http://www.atconsumer.es
Czech NAME: Praha Music Center spol s.r.o. ADD: Ocelarska 937/39, Praha 9, 190 00, Czech TEL: (+420) 226-011-111, FAX: (+420) 226-011-112 Email: info@pmc.cz Web Site: http://www.pmc.cz	Italy NAME: Backline S.u.r.l. ADD: Via dell'Antica, 16 - 20158 Milano, Italy TEL: (+39) 02 6901 5709, FAX: (+39) 02 6901 5645 Email: info@backline.it Web Site: http://www.backline.it	Spain NAME: Letusa (Pro Audio Products Only) ADD: C/Laguna No.10, Poligono Industrial Urtinsa, 28923 Alcorcon, Madrid, Spain TEL: (+34) 91-4862800, FAX: (+34) 91-6414597 Email: info@letusa.es Web Site: http://www.letusa.es
Denmark NAME: SC Sound A/S ADD: Dalgas Alle 15, DK-6600 Vejen, Denmark TEL: (+45) 4399 8877, FAX: (+45) 4399 8077 Email: mail@sc-sound.dk Web Site: http://www.sc-sound.dk	Italy NAME: Art of Music sas (Hi-Fi system & Speaker Components) ADD: Via Dal Lino 23/2, 40134 Bologna, Italy TEL: (+39) 347 2532215 Email: artofmusic@libero.it Web Site: http://www.balloacoustics.it	Sweden NAME: Benum Nordic AS ADD: Aldermansvagen 17, 171 48 Solna, Sweden TEL: (+46) 8 207710 Email: sweden@benum.com Web Site: http://www.benum.se
Finland NAME: Noretron Oy Audio ADD: Manikkaantie 32, FIN-02180 ESPOO, Finland TEL: (+358) 10-525-8000, FAX: (+358) 10-525-8010 Web Site: http://www.noretron.fi	The Netherlands NAME: Iemke Roos Audio B.V. ADD: Kuiperbergweg 20, 1101 AG Amsterdam, The Netherlands TEL: (+31) 20-697-2121, FAX: (+31) 20-697-4201 Email: sales@iemkeroos.nl Web Site: http://www.iemkeroos.nl	Sweden, Norway, Finland & Denmark NAME: Supersonic Svenska AB (Speaker Components Only) ADD: PO BOX 42043, 126 12 Stockholm, Sweden TEL: (+46) 8 744 4700 Email: johan@supersonic.se
France NAME: Sennheiser France ADD: 128 bis, avenue Jean-Jaures, 94851 Ivry-sur-Seine Cedex, France TEL: (+33) 1 4987 0300, FAX: (+33) 1 4987 0324 Web Site: http://www.sennheiser.fr	Norway NAME: Siv. Ing. Benum AS ADD: P.O. Box 145, Vinderen, 0319 Oslo, Norway TEL: (+47) 2213 9900, FAX: (+47) 2214 8259 Email: post@benum.no Web Site: http://www.benum.no	Switzerland NAME: Audio Bauer Pro AG ADD: Bernerstrasse-Nord 182, CH-8064 Zurich, Switzerland TEL: (+41) 44 432 3230, FAX: (+41) 44 432 6558 Email: info@audio-bauerpro.ch Web Site: http://www.audio-bauerpro.ch
France NAME: Selectronic (Speaker Components Only) ADD: Zac de L'Oree du Golf, 16 rue Jules Verne, 59790 Ronchin, France TEL: (+33) 328 550 328, FAX: (+33) 328 550 329 Email: contact@selectronic.fr	Poland NAME: Mega Music Spolka z o.o ADD: Ul. Lesna 15, 81-876 Sopot, Poland TEL: (+48) 58-551-18-82, FAX: (+48) 58-551-18-72 Email: pro@megamusic.pl Web Site: http://pro.megamusic.pl	Turkey NAME: Radikal Elektronik Ltd. Sti. ADD: Ihlamur-Yildiz Cad, Kessaf Sok. 4/12 Besiktas, Istanbul 34353, Turkey TEL: (+90) (212) 259 7971, FAX: (+90) (212) 259 7993 Email: radikal@radikaltr.com Web Site: http://www.radikaltr.com
France NAME: Hamy Sound (Headphones and USB DAC Only) ADD: 28 Rue Edith Cavell, 92400 Courcouronnes, France TEL: (+33) 1 4788 4702, FAX: (+33) 1 4789 4872 Email: sav@hamysound.com Web Site: http://www.hamysound.com	Portugal NAME: Letusa (Pro Audio Products Only) ADD: C/Laguna No.10, Poligono Industrial Urtinsa, 28923 Alcorcon, Madrid, Spain TEL: (+34) 91-4862800, FAX: (+34) 91-6414597 Email: info@letusa.es Web Site: http://www.letusa.es	UK NAME: SCV London ADD: Unit C1 Belton Industrial Estate, Geddings Road, Hodesdon, Hertfordshire, EN11 0NT, UK TEL: (+44) 03 301 222500, FAX: (+44) 20-8418-0624 Email: fostex@scvlondon.co.uk Web Site: http://www.scvlondon.co.uk
Germany NAME: Mega Audio GmbH ADD: Stromberger Str. 32, 55411 Bingen, Germany TEL: (+49) 6721-94330, FAX: (+49) 6721-32046 Email: info@megaaudio.de Web Site: http://www.megaaudio.de		Ukraine NAME: A & T Trade Petrosnop ADD: 29 Obolonskaya Str., Kiev, Ukraine 04071 TEL: (+380) 44-462-5358, FAX: (+380) 44-462-5092 Email: atrade@attrade.kiev.ua Web Site: http://kiev.attrade.ru

Fostex

FOSTEX CO.

1-1-109, Tsutsujigaoka, Akishima City, Tokyo, 196-8550, Japan