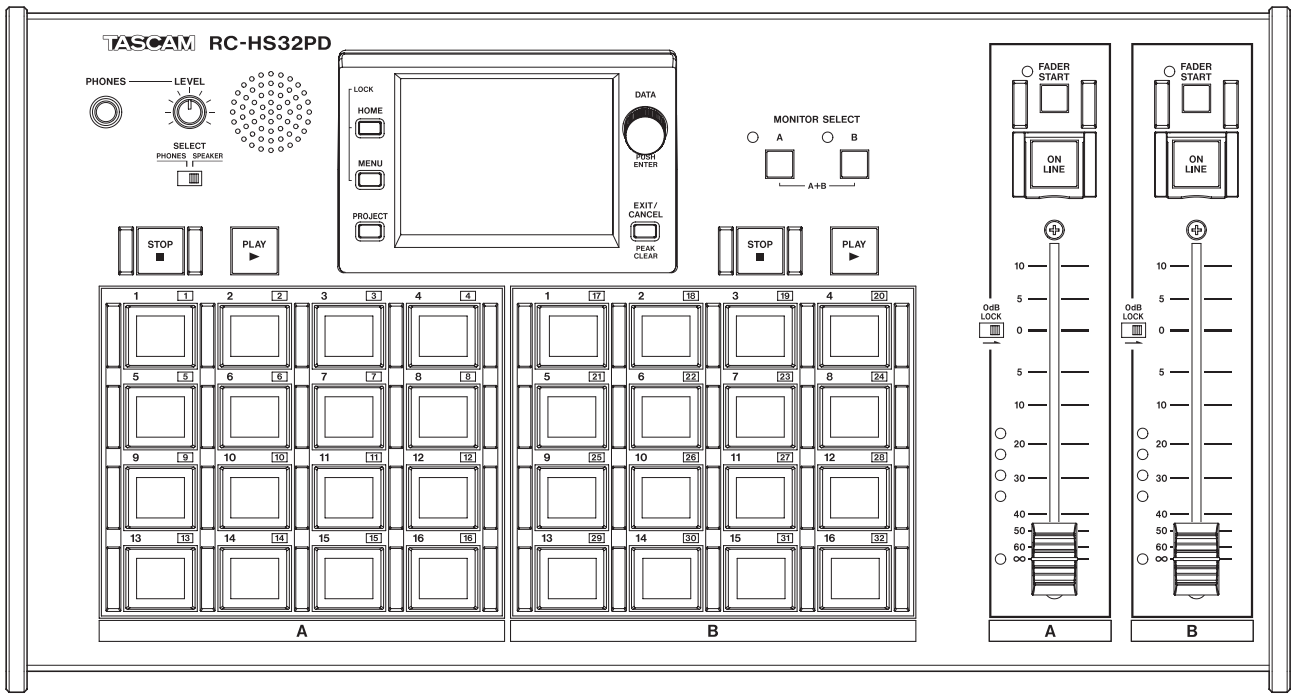
TASCAM

D01138420A

RC-HS32PD

Remote Control Unit

OWNER'S MANUAL



Contents

1 – Introduction 3

Features 3
Included items 3
About this manual 3
Trademarks 3
Precautions for placement and use 4
Beware of condensation 4
Cleaning the unit 4
Cleaning the display 4

2 – Names and Functions of Parts 5

Top panel 5
Rear panel 7

3 – Preparations 8

Connecting to an HS-4000 8
Using a commercially-available cable 8
Setting the HS-4000 8

4 – Playback 9

Normal playback 9
Flash playback 9
Standby 9
Fader start function 10
Turning on line playback mode on/off 10

5 – Specifications 11

Analog audio output 11
General 11
Dimensional drawing 11

■ For U.S.A.

TO THE USER

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION

Changes or modifications to this equipment not expressly approved by TEAC CORPORATION for compliance could void the user's authority to operate this equipment.

■ For European Customers

WARNING

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Disposal of electrical and electronic equipment

(a) All electrical and electronic equipment should be disposed of separately from the municipal waste stream via collection facilities designated by the government or local authorities.

(b) By disposing of electrical and electronic equipment correctly, you will help save valuable resources and prevent any potential negative effects on human health and the environment.

(c) Improper disposal of waste electrical and electronic equipment can have serious effects on the environment and human health because of the presence of hazardous substances in the equipment.

(d) The Waste Electrical and Electronic Equipment (WEEE) symbol, which shows a wheeled bin that has been crossed out, indicates that electrical and electronic equipment must be collected and disposed of separately from household waste.

(e) Return and collection systems are available to end users. For more detailed information about the disposal of old electrical and electronic equipment, please contact your city office, waste disposal service or the shop where you purchased the equipment.

■ For China

产品有毒有害物质或元素的名称及含量

	机种：RC-HS32PD	有毒有害物质或元素					
	品名	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
1	CHASSIS部份	O	O	O	O	O	O
2	螺丝部份	O	O	O	O	O	O
3	线材部份	O	O	O	O	O	O
4	PCB Assy部份	×	O	O	O	O	O
5	附属品部份	O	O	O	O	O	O
6	LABEL部份	O	O	O	O	O	O
7	包装部份	O	O	O	O	O	O

O：表示该有毒有害物质在该部件所有均质材料中的含有量均在 SJ/T11363-2006 标准规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。
（针对现在代替技术困难的电子部品及合金中的铅 ）

Thank you very much for purchasing the TASCAM RC-HS32PD Remote Control Unit.

This unit is a wired remote control that connects to the **REMOTE** connector of a TASCAM HS-4000 unit to allow the playback takes to be initiated directly and for on line transmission control. By connecting this unit to an HS-4000, you will have the ability at your fingertips to start playback directly and control on line transmission functions easily.

Before connecting and using the unit, please take time to read this manual thoroughly to ensure you understand how to properly set up and connect the unit, as well as the operation of its many useful and convenient functions. After you have finished reading this manual, please keep it in a safe place for future reference.

You can also download the Owner's Manual from the TASCAM web site (http://tascam.com/).

Features

- Direct playback start of up to 96 entries (takes) possible (32 entries x 3 pages, take mode or playlist mode (single))
- Direct start play of up to 96 entries (takes) possible for both A and B players (16 entries x 6 pages, or 12 entries x 8 pages, dual playlist mode)
- Instantaneous playback start using the flash start function
- Standby function allows the next entry to be lined up for playback
- Built-in TFT color touch panel can be used for the same operations as the display on the connected HS-4000 unit
- 32 entry playback keys that light automatically
- **PLAY** and **STOP** keys also light automatically
- A/B faders (A/B) allow sound output level to be adjusted and include fader start/stop functions and **0dB LOCK** switches
- **A/B ON LINE** keys light automatically and can be used to turn on line transmission ON/OFF
- **A/B MONITOR SELECT** keys with indicators allow selection of the signal monitored
- Monitoring speaker and phone jack with a level knob to control them

Included items

The included items are listed below.

Take care when opening the package not to damage the items. Keep the package materials for transportation in the future.

Please contact the retailer where you purchased this unit if any of these items are missing or have been damaged during transportation.

- Remote control unit (RC-HS32PD)..... 1
- Connecting cable (5 m)..... 1
- A warranty card 1
- Owner's manual (this manual) 1

About this manual

In this manual, we use the following conventions:

- The names of keys and controls are given in the following typeface: **MENU**.
- Messages on the unit's display are shown like this: ON
- Additional information is introduced in the styles below when needed:

NOTE

Explanation of actions in special situation and supplement.

CAUTION

Instructions that should be followed to avoid injury, damage to the unit or other equipment.

Trademarks

- TASCAM is a trademark of TEAC Corporation, registered in the U.S. and other countries.
- Other company names, product names and logos in this document are the trademarks or registered trademarks of their respective owners.

Precautions for placement and use

- The operating temperature should be between 5°C and 35°C (41°F and 95°F).
- Do not install in the following types of places. Doing so could degrade the sound quality and/or cause malfunctions.
  - Places with significant vibrations or that are otherwise unstable
  - Near windows or other places exposed to direct sunlight
  - Near heaters or other extremely hot places
  - Extremely cold places
  - Places with bad ventilation or high humidity
  - Very dusty locations
- Hum might occur if a powered amplifier or other device with a large transformer is used near this unit. If this should happen, try increasing the distance between this unit and that device and changing their orientations.
- Uneven colors might appear on televisions and noise might be heard from radios that are used near this unit. If this should happen, use the unit further from the affected device.
- Noise might be heard from this unit if a mobile telephone or other wireless device is used nearby during calls and when data is transmitted and received. If this should happen, use that device farther from the unit or turn its power off.
- Make sure that the unit is mounted in a level position for correct operation.
- Do not place any object on the unit.

Beware of condensation

If the unit is moved from a cold to a warm place, or used immediately after a cold room has been heated or otherwise exposed to a sudden temperature change, condensation could occur. Should this happen, leave the unit for one or two hours before turning the unit on.

Cleaning the unit

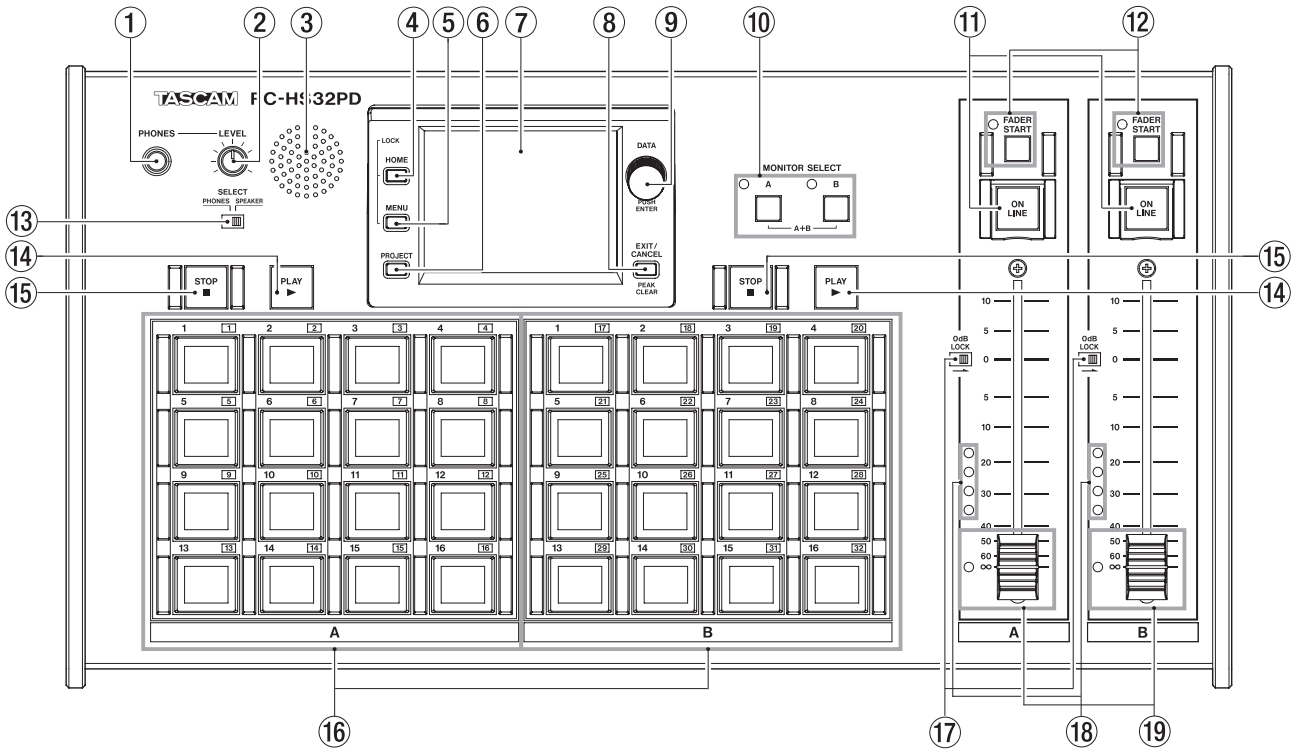
To clean the unit, wipe it gently with a soft dry cloth. Do not wipe with chemical cleaning cloths, benzene, paint thinner, ethyl alcohol or other chemical agents to clean the unit as they could damage the surface.

The inside of the unit should be cleaned about once every five years. If the unit is not cleaned for a long time and dust is allowed to accumulate inside it, this could cause fire or malfunction. In particular, it is more effective to clean the inside of the unit before seasons with high humidity. Please contact a retailer that sells the unit or a TASCAM service center for cleaning and information about the cleaning fee.

Cleaning the display

Slightly wipe the display with a soft dry cloth that does not shed dust (e.g. a cleaning cloth). Avoid wiping with a stiff cloth or rubbing with force. Doing so could damage the surface of the LCD. Do not use benzene, thinner, manicure remover, alcohol or similar substances.

Top panel



① **PHONES jack**
Connect stereo headphones to this standard stereo phone jack that outputs the monitoring signal.
To monitor through headphones, set the **SELECT** switch to **PHONES** and then adjust the **LEVEL** knob.

CAUTION

Before connecting headphones, turn the **LEVEL** knob to the minimum volume. Failure to do so could cause sudden loud noises to occur, which might damage your hearing or equipment.

② **LEVEL knob**
Use this to adjust the output level sent to the speaker or headphones connected to the **PHONES** jack.

③ **Built-in speaker**
Use this speaker to listen to the monitoring signal.
To monitor through the speaker, set the **SELECT** switch to **SPEAKER** and then adjust the **LEVEL** knob.

④ **HOME key**
This opens the Home Screen and has the same function as the **HOME** key on the HS-4000.

⑤ **MENU key**
This opens the MENU screen and has the same function as the **MENU** key on the HS-4000.

⑥ **PROJECT key**
This opens the PROJECT screen and has the same function as the **PROJECT** key on the HS-4000.

⑦ **Color display**
This 3.5-inch TFT color display with 320 x 240 resolution is touch sensitive.
This display shows the same information and operates the same way as the color display on the main unit.

⑧ **EXIT/CANCEL [PEAK CLEAR] key**
Use this to cancel input and the selection of items.
This has the same function as the **EXIT/CANCEL** key on the HS-4000.

⑨ **DATA dial**
Turn to use as a **DATA** dial, and press to use as an **ENTER** key.
This has the same function as the **DATA** dial on the HS-4000.
Turn the dial while pressing and holding the **HOME** key to adjust the brightness of the color display, the **PLAY**, **ON LINE**, **STOP**, and **1** - **32** (flash start play) keys, the **FADER START** and **MONITOR SELECT** indicators, and the LED meters.
Push and turn the **DATA** dial while pressing and holding the **HOME** key to adjust only the brightness of the color display.

NOTE

From this unit, you can only adjust the brightness of this unit's display and indicators. You cannot adjust the brightness of the HS-4000.

⑩ **MONITOR SELECT keys and indicators (A/B)**
Use these to select the signal monitored through headphones or the speaker. When sound is being output, the corresponding indicator lights.

In dual playlist mode, use these keys to enable monitoring of the A or B player. Press a key to turn the output of the corresponding player on or off. Press the **A** and **B** keys at the same time to monitor both players. When monitoring of both A and B is enabled (both **A** and **B** indicators are lit), press both keys at the same time to disable monitoring of both players.

In other modes, only the **A** key functions. Press the **A** key to turn monitoring on or off.

⑪ **ON LINE key/indicator (A/B)**
Switch on line playback mode ON/OFF.

In dual playlist mode, these can be used to turn both player A and B on and off. In other modes, only the **A** key functions.

Open their covers to use their keys.

They light when ON and are unlit when OFF.

Online playback mode can also be set to stay on all the time. To do this, make the setting on the HS-4000.
(See "Setting the online function" in chapter 9.)

⑫ **FADER START key/indicator (A/B)**
Press to turn the fader start function ON/OFF.

In dual playlist mode, this can be set separately for both players A and B. In other modes, only the **A** key functions.

When ON, the indicator above the key lights.

⑬ **SELECT switch**
Use this to set the monitoring output.

Set to **PHONES** to output the monitoring signal through the **PHONES** jack.

Set to **SPEAKER** to output the monitoring signal through the built-in speaker.

⑭ **PLAY key/indicator (A/B)**
Press this key when stopped or during playback standby to start playback. During playback, the key lights.

In dual playlist mode, playback can be started separately for both players A and B. In other modes, only the **A** key functions.

⑮ **STOP key/indicator (A/B)**
Press to stop playback.

When stopped, the indicator above it lights.

In dual playlist mode, playback can be stopped separately for both players A and B. In other modes, only the **A** key functions.

⑯ **1–32 (flash playback) keys and indicators**
When an entry (take) is assigned to a key, the key lights orange and the take name appears on the key.

If the entry (take) is in a format that cannot be played back, the keys light red.

Moreover, depending on the HS-4000 `Flash Start Key Method` item setting, the keys function in one of the two following ways.

- **When set to** `Flash Start`
  If you press a key that is assigned (lit orange), playback (flash playback) starts immediately, and the key lights green. When the fader start function is on and the fader is set to "∞", however, the entry is put into playback standby and that key flashes yellow.
- **When set to** `Standby`
  If you press a key that is assigned (lit orange) when stopped, it enters playback standby and that key flashes yellow. After this, if you press the **PLAY** key, playback will start and that key will light green.
  If you press a key that is assigned (lit orange) during playback, it will be lined up as the next entry (take) to be played back, and that key will light yellow. In addition, if you press the key for the entry (take) that is playing back (lit green), it will be lined up as the next entry (take) to be played back, and that key will alternately flash yellow and green. In either case, when you press the **PLAY** key the entry (take) that is lined up will start playing back from its beginning.
  If you press a key that is in standby (lit yellow or alternately flashing yellow and green), standby for that entry (take) will be canceled.
  When one or more entries (takes) are lined up in standby, when the currently playing entry (take) completes playback, the following occurs.
  - **When** `Play Mode` **is set to** `One Take`
    Playback pauses at the beginning of the next lined up entry (take).
  - **When** `Play Mode` **is set to** `All Take`
    Playback continues from the beginning of the next lined up entry (take).

NOTE

Set the `PLAY Inhibit Time` item on the `CONTROL` page of the `PLAY SETUP` screen on the HS-4000 to prevent playback of the same entry (take) from being started again until a designated amount of time has elapsed since it was last started using the assigned key.

By using this function, you can prevent misoperation due to key chatter and prevent the same take from being restarted during playback, for example.

⑰ **0dB LOCK switch**
Engage this switch to prevent the fader from going above 0dB.

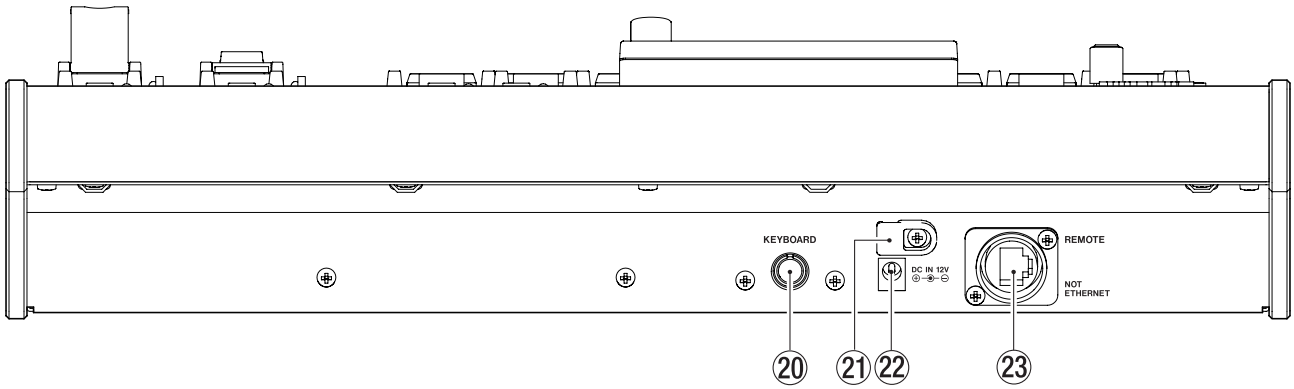
⑱ **LED meters**
These 4 LEDs conveniently show the post fader sound levels (the signal levels after passing through the faders).

⑲ **Fader/indicator**
Use this to adjust the sound output level.
When the fader is raised above "∞", the indicator at its bottom left lights.
When the fader start function is ON, if you lower the fader completely (move it to the "∞" position), playback will pause to put the unit into playback standby. During playback standby, raising the fader above "∞" starts playback.

NOTE

- To use the fader, you must set the FADER MODE item to Enable on the GENERAL page of the REMOTE SETUP screen on the HS-4000. (If set to Disable, the fader will be disabled, and the internal fader of the HS-4000 will be fixed at 0 dB.)
- To use fader start, you must set the FADER Start MODE item to Enable on the GENERAL page of the REMOTE SETUP screen on the HS-4000.
- To use fader stop, you must set the FADER Stop MODE item to Enable on the GENERAL page of the REMOTE SETUP screen on the HS-4000.
- If both the FADER Start MODE and the FADER Stop MODE items are set to Disable on the GENERAL page of the REMOTE SETUP screen on the HS-4000, then this unit's fader start function will be automatically disabled and its **FADER START** indicator will be unlit. Moreover, if you press the **FADER START** key, a pop-up warning will appear on the color display and you will not be able to enable it.

Rear panel



⑳ **KEYBOARD connector**
Connect an IBM PC-compatible keyboard with a PS/2 interface here, and use it to input project and folder names, for example.
Japanese keyboards and US keyboards have different layouts. Set the type of keyboard using the HS-4000. Set the KBD Type item on the PREFERENCES tab of the SYSTEM SETUP screen to JPN (Japanese keyboard) or US (US keyboard).
By default, the unit is set JPN.

㉑ **Cord holder**
This is not ordinarily used. (When connecting an AC adaptor to the **DC IN** jack, attach the AC adaptor cord here to prevent it from becoming disconnected.)

㉒ **DC IN jack**
This is not ordinarily used. Do not connect anything. (Use if power requirements increase in the future.)

㉓ **REMOTE connector**
Use the included cable to connect this unit with an HS-4000.

CAUTION

- The **REMOTE** connector is not an Ethernet (LAN) connector. Never connect a cable that is connected to a network.
- Always turn the HS-4000 unit power OFF before connecting or disconnecting a cable. Connecting a cable while the power is ON could cause damage.

Connecting to an HS-4000

Use the included cable to connect the **REMOTE** connector on the rear panel of this unit with the HS-4000's **REMOTE** connector.

CAUTION

- The **REMOTE** connector is not an Ethernet (LAN) connector. Never connect a cable that is connected to a network to this unit or an HS-4000.
- Always turn the HS-4000 unit power OFF before connecting or disconnecting a cable. Connecting a cable while the power is ON could cause damage.

Using a commercially-available cable

Under ordinary circumstances, use the dedicated connection cable (5 m) that is included with the unit.

If the included dedicated cable (5 m) is not long enough, you can use one of the following types of cables.

- Neutrik etherCON cables

  You can use a Neutrik etherCON CAT6 cable (model: NKE6S-*) with this unit as is. We recommend this cable because it has a robust cable plug carrier.

  For further details about this product, please visit the Neutrik website.

  http://www.neutrik.com/
- Other commercially-available LAN cables

  You can use other commercially-available LAN cables with this unit, but they must meet the following specifications.
  - The cable must be a straight-wired category 6A cable and must be shielded.
  - The length of the cable must not exceed 20 m. Moreover, since the connectors of most cables are not built strongly, please be careful when connecting and disconnecting the cable.

Setting the HS-4000

Make the following settings on the HS-4000 as necessary.

Operation mode

This unit can be used with take and playlist (single/dual) modes. Set the HS-4000 to one of these operation modes.

NOTE

In timeline mode, this unit's 1–32 (flash playback) keys, player B key and player B fader do not function.

ONLINE Function

If the online function is set to `Switchable`, this unit's **ON LINE** keys can be used to turn online playback on (online playback) and off (monitoring playback).

If you set the online function to `Always ON` so that it cannot be switched, the **ON LINE** key of this unit will be disabled and audio will always be output from every connector.

For details about the online function, please see "Enabling the online function" in chapter 12 of the HS-4000 Owners Manual.

Flash Start Key Method

When the flash start key operation mode is set to `Flash Start`, pressing a **1**–**32** (flash playback) key will start flash playback.

When the flash start key operation mode is set to `Standby`, pressing a **1**–**32** (flash playback) key will put the assigned entry into playback standby.

For details about the flash start key function, please see the Remote settings GENERAL page in chapter 10 of the HS-4000 Owner's Manual.

Play Mode

Set the playback mode as appropriate.

In this manual, explanations of procedures assume that `Auto Cue`, `Auto Ready`, `Inc. Play` and similar functions are set to off.

Set it to `One Take` to make the unit stop after playing one take, or set it to `All Take` to make the unit play all the takes in the folder or playlist in succession.

For details about the playback mode, please see the Playback settings GENERAL page in chapter 10 of the HS-4000 Owner's Manual.

Then, set the session or playlist that you want to play back.

For details about selecting sessions in take mode, see "Loading session folders" in chapter 5 of the HS-4000 Owner's Manual.

For details about selecting sessions in playlist mode, see "Loading playlists" in chapter 9 of the HS-4000 Owner's Manual.

Normal playback

Use the **PLAY** and **STOP** keys on the top panel for ordinary transport operations.

1. **In take mode, select the session folder that contains the take that you want to play. In playlist mode, load the playlist that contains the entry that you want to play.**
2. **Select the take or entry that you want to play.**
3. **Press the PLAY key to start playback of that take or entry.**
   The **PLAY** key lights.
4. **Press the STOP key to stop playback.**
   The **STOP** key lights.

Flash playback

When flash start key operation is set to flash (`Flash Start Key Method` item set to `Flash Start`), follow these procedures to conduct flash playback.

1. **In take mode, select the session folder that contains the take that you want to play.**

   In playlist mode, load the playlist that contains the entry that you want to play.

   If using dual playlist mode, touch the `PAGE` knob for the player that you want to select (A or B) at the top of the Home Screen.
2. **Turn the DATA dial to show the page that contains the take or entry that you want to play. 1–32 (flash playback) keys that have takes or entries assigned to them on the selected page light orange. If the entry (take) is in a format that cannot be played back, the corresponding key lights red.**
3. **Press the number (flash playback) key that corresponds to the take or entry that you want to play to start playback immediately. The number (flash playback) key that corresponds to the take or entry that is playing back lights green. When the fader start function is on and the fader is set to "∞", however, the entry is put into playback standby and that key flashes yellow.**
4. **Press the STOP key to stop playback.**

   If you press a number (flash playback) key that is different from the currently playing take or entry, the corresponding take or entry will start flash playback.

Standby

NOTE

If this unit's firmware version is 1.00, and the HS-4000's firmware version is 1.00 or 1.05, the `Flash Start Key Method` item setting is fixed to `Flash Start` and the standby function cannot be used. This feature will be enabled when both the HS-4000 and this unit are upgraded with 1.10 firmware versions.

You can check the firmware version of the HS-4000 and this unit on the HS-4000 `VERSION INFO` screen.

When flash start key operation is set to standby (`Flash Start Key Method` item set to `Standby`), follow these procedures for playback.

1. **In take mode, select the session folder that contains the take that you want to play.**

   In playlist mode, load the playlist that contains the entry that you want to play.

   If using dual playlist mode, touch the `PAGE` knob for the player that you want to select (A or B) at the top of the Home Screen.
2. **Turn the DATA dial to show the page that contains the take or entry that you want to play. 1–32 (flash playback) keys that have takes or entries assigned to them on the selected page light orange.**
3. **Press the number (flash playback) key that corresponds to the take or entry that you want to line up for playback. The number (flash playback) key that corresponds to the take or entry that is in standby lights yellow.**
4. **Press the PLAY key to start playback.**
5. **During playback, if you press a key that is assigned to a take other than the one that is currently playing (lit orange), the corresponding entry (take) will be put in standby for playback, and that key becomes yellow. In addition, if you press the key for the entry (take) that is playing back (lit green), it will be put in standby as the next entry (take) to be played back, and that key will alternately flash yellow and green. In either case, when you press the PLAY key the entry (take) that is in standby will start playing back from its beginning.**
6. **When playback of the currently playing entry (take) ends and another entry (take) is in standby, the following occurs.**
   - When `Play Mode` is set to `One Take`
     Playback pauses at the beginning of the next lined up entry (take).
   - When `Play Mode` is set to `All Take`
     Playback continues from the beginning of the next lined up entry (take).
7. **If you press a key that is in standby (lit yellow or alternately flashing yellow and green), standby for that entry (take) will be canceled.**
8. **Press the STOP key to stop playback.**

Fader start function

By pressing the **FADER START** key, you can turn the fader start function on and off.

When the fader start function is ON, lowering the volume with the fader to "∞" puts the unit into playback standby (fader stop).

During playback standby, raise the fader to start playback (fader start).

1. **Press the FADER START key to turn the fader start function ON. (When ON, the FADER START indicator lights.)**
2. **During playback standby, raise the fader (move it in the direction from "∞" toward "10dB") to start playback.**
3. **During playback, lower the fader to "∞" to put the unit into playback standby.**

NOTE

- To use fader start, you must set the FADER Start MODE item to Enable on the GENERAL page of the REMOTE SETUP screen on the HS-4000.
- To use fader stop, you must set the FADER Stop MODE item to Enable on the GENERAL page of the REMOTE SETUP screen on the HS-4000.
- If both the FADER Start MODE and the FADER Stop MODE items are set to Disable on the GENERAL page of the REMOTE SETUP screen on the HS-4000, then this unit's fader start function will be automatically disabled and its **FADER START** indicator will be unlit. Moreover, if you press the **FADER START** key, a pop-up warning will appear on the color display and you will not be able to enable it.

Turning on line playback mode on/off

When the online function is activated (ONLINE FUNCTION item set to Switchable), pressing the **ON LINE** key turns the on line playback mode on/off.

Depending on whether on line playback is on or off, how sound is output and operation restrictions differ. For details, see "Online functions" in chapter 12 of the HS-4000 Owner's Manual.

Analog audio output

Speaker (mono)
Maximum output: 1 W

PHONES connector
Connector: 6.3 mm (1/4") standard stereo jack
Maximum output: 45 mW + 45 mW
(THD+N 0.1% or less, into 32Ω)

General

Power voltage
DC 41V (provided by the main unit)

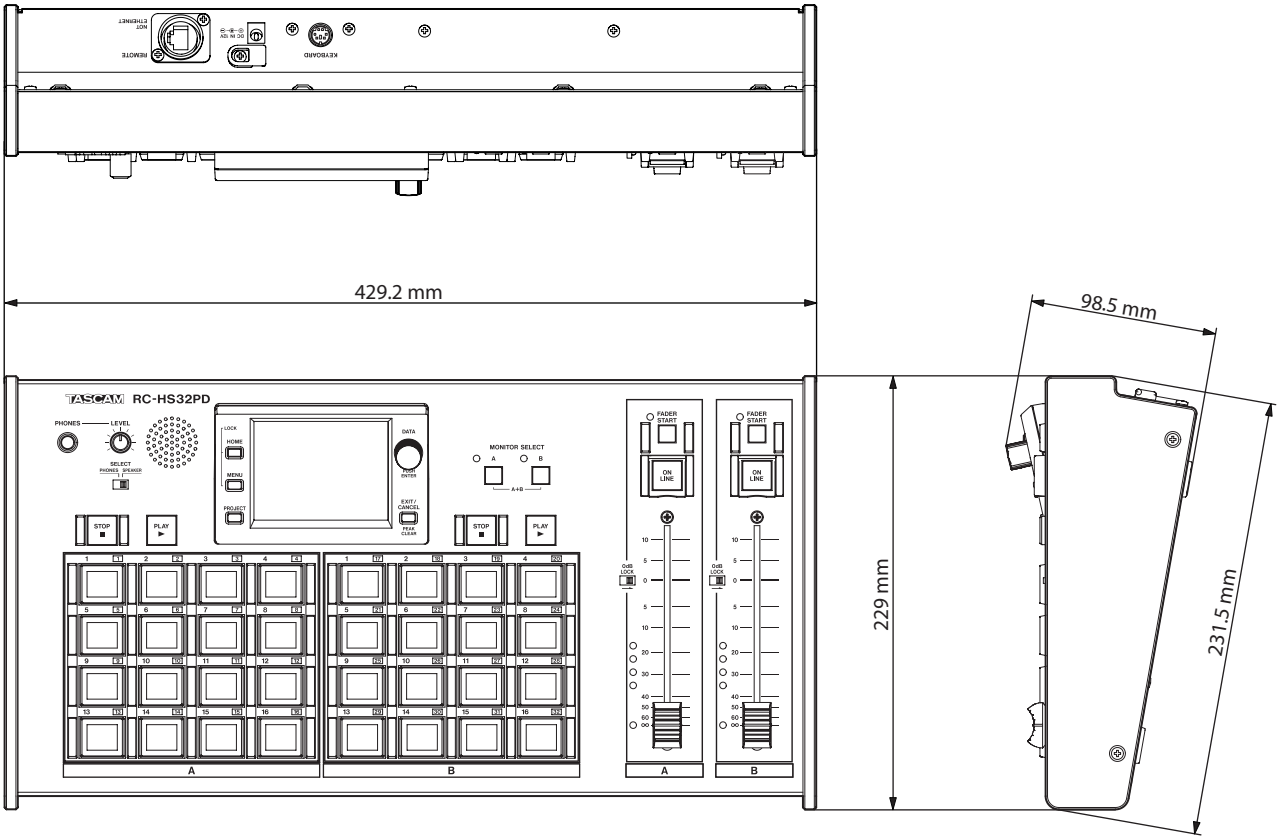
Power consumption
8 W

Dimensions (W x H x D)
429.2 x 98.5 x 231.5 mm
16.9 x 3.878 x 9.114 in.

Weight
4.3 kg/9.48 lb

Operating temperature range
5–35ºC/41–95ºF

Dimensional drawing



- Illustrations in this manual may differ in part from the actual product.
- Specifications and the external appearance may be changed without notification to improve the product.

TASCAM

RC-HS32PD

TEAC CORPORATION
Phone: +81-42-356-9143
1-47 Ochiai, Tama-shi, Tokyo 206-8530, Japan
http://tascam.jp/

TEAC AMERICA, INC.
Phone: +1-323-726-0303
7733 Telegraph Road, Montebello, California 90640 USA
http://tascam.com/

TEAC CANADA LTD.
Phone: +1905-890-8008 Facsimile: +1905-890-9888
5939 Wallace Street, Mississauga, Ontario L4Z 1Z8, Canada
http://tascam.com/

TEAC MEXICO, S.A. de C.V.
Phone: +52-55-5010-6000
Río Churubusco 364, Colonia Del Carmen, Delegación Coyoacán, CP 04100, México DF, México
http://www.teacmexico.net/

TEAC UK LIMITED
Phone: +44-8451-302511
Suites 19 & 20, Building 6, Croxley Green Business Park, Hatters Lane, Watford, Hertfordshire, WD18 8TE, UK
http://www.tascam.co.uk/

TEAC EUROPE GmbH
Phone: +49-611-71580
Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany
http://tascam.de/

Printed in China