

Summary of new features

The following features were added in firmware version 1.10.

- 1 Web Server Based Control added
- 2 Automatic time adjustment function added

Manual conventions

This manual addendum uses the following conventions.

- The names of keys, connectors and other parts of this unit and external equipment are shown with this typeface: **MENU** key
- Text shown on the unit display is indicated with this typeface: `0n`
- Text shown on the computer display is indicated with this typeface: Next.
- Additional information is provided as necessary in TIP, NOTE and CAUTION sections.

TIP

Tips provide advice about ways that you can use unit features.

NOTE

Notes provide additional explanations, including special cases.

CAUTION

Cautions indicate directions that must be followed to avoid the possibility of injury, damage to equipment or loss of data.

Web Server Based Control function

An Internet browser can be used for some HD-R1 transport controls and settings.

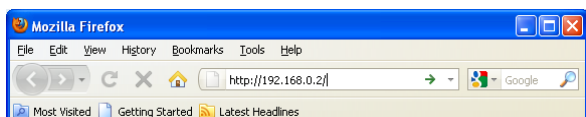
The browsers that can be used are Internet Explorer 7 and 8, Firefox 3.5.6 or later and Safari.

CAUTION

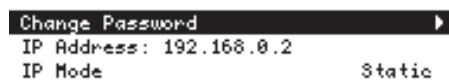
Take care when connecting the HD-R1 to a network that is route-able from the public internet. Telnet access requires no password, so the HD-R1 can be controlled at any time by anyone who knows the IP address.

- 1 **Start the computer and the Internet browser, and enter the IP address assigned to the HD-R1 unit after the http:// prefix in the address (location) bar.**

Example: `http://192.168.0.2/`



To check the IP address assigned to the HD-R1, check the IP Address item in the Network submenu of the System Settings menu, which is accessed from the MENU screen.



Network submenu

CAUTION

Use a private address when IP Mode is set to Static. (This limitation does not apply when a global address is acquired.)

The ranges that can be used as private addresses are as follows.

Class	IP address	Subnet mask
A	10.0.0.0 – 10.255.255.255	255.0.0.0
B	172.16.0.0 – 172.31.255.255	255.255.0.0
C	192.168.0.0– 192.168.255.255	255.255.255.0

Be careful to avoid conflicting IP addresses.

If your network has a LAN administrator, consult with the administrator before making this setting.

When using DHCP, the DHCP server automatically assigns IP addresses, so there is no need to worry about global/private addresses. However, in many cases the IP addresses differ each time that they are assigned, so you will need to check and input the IP address each time. (If the DHCP server uses MAC addresses for static assignment, the IP address will not change.)

- 2 **When the password entry screen appears on the computer display, enter the user name and password. The user name is HDR1 and the password is hdr1. (Upper and lower case letters are distinguished in these fields.)**

NOTE

The user name and password are fixed and cannot be changed.

- 3 **The transport screen (shown on the next page) appears on the computer display. You can use this screen almost in the same way as the transport keys to control unit.**

CAUTION

Not all of the key operations available on the front panel of the unit can be conducted from this screen. For example, skipping and searching backward and forward by clicking and holding the Prev or Next buttons is not possible. Moreover, the screen has no equivalent to the MODE key or the SHUTTLE/DATA wheel, for example.

- 4 **To change the settings, click the Settings hyperlink to open the settings screen.**

CAUTION

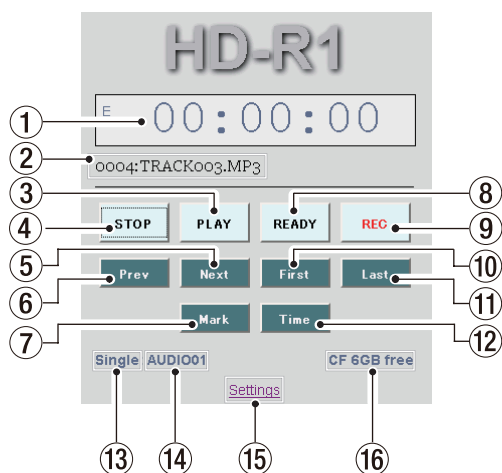
Not all of the settings that can be made on the unit can be made from the setting screen. For example, network settings cannot be made from this screen.

5 To return to the Transport Screen from the Setting Screen, click the Transport hyperlink.

CAUTION

Do not open the Transport Screen and Setting Screen at the same time using tabs, for example.

Transport Screen



1 Time Display

Displays the total time, total time remaining, current track time, or current track remaining time as "hours:minutes:seconds".

Icon(s) shown	Meaning of time shown
E	Elapsed time of current track
R	Remaining time of current track
E and T	Elapsed time from play area beginning
R and T	Remaining time in play area

2 Current Track

Shows the current track.

3 PLAY button

Has the same functions as the unit's **PLAY** transport key.

Press to start playback from the current transport position. Press to start recording when the unit is ready-to-record. This button appears green during playback.

4 STOP button

Has the same functions as the unit's **STOP** transport key.

Stops the transport and otherwise performs the same roles as the unit's **STOP** transport key.

5 Next button

Functions like the **SKIP** ►►► transport key.

Skips to the beginning of the next track. If pressed while located at the last track, locates to the first track beginning.

Unlike the **SKIP** ►►► key, clicking and holding will not skip-play or search forward. It also does not function as a shortcut key if pressed with the **SHIFT** key.

6 Prev button

Functions like the **SKIP** ◀◀◀ transport key.

Skips to the beginning of the current track if located more than one second from its beginning. Skips to the beginning of the previous track if located less than one second from the beginning of the current track. Skips to the beginning of the last track if located less than one second from the beginning of the first track.

Unlike the **SKIP** ◀◀◀ key, clicking and holding will not skip-play or search backward. It also does not function as a shortcut key if pressed with the **SHIFT** key.

7 Mark button

Functions like the **MARK** transport key.

Creates a new marker at the current time. The marker is given a name beginning with **MARK**. It does not function as a shortcut key if pressed with the **SHIFT** key.

8 READY button

Functions like the **READY** transport key.

While stopped, press to put the transport into a ready-to-play state. While playing, press to pause the transport and press **PLAY** to continue. While recording, press to pause the transport while continuing to monitor the input and press **PLAY** to create a new track and continue recording.

Nothing happens if **READY** is pressed while the transport is already in the ready-to-record or ready-to-play state. Appears yellow when ready-to-play or ready-to-record.

9 REC button

Functions like the **RECORD** transport key.

While stopped, press to make the unit ready-to-record, turning on input monitoring. While ready-to-record, press **PLAY** to start recording. When the unit is ready-to-record or recording, the **REC** button appears red. Pressing this key while already recording will cause the HD-R1 to save the recording to that point and create a new track from then on.

10 First button

Locate to the beginning of the first track.

11 Last button

Locate to the beginning of the last track.

12 Time button

Functions like the **TIME** transport key. Cycles through time display modes.

- ⑬ **Playback mode indicator**
Shows the current playback mode (All, Folder, Playlist or Single).
- ⑭ **Current indicator**
Shows the current folder or playlist.
- ⑮ **Settings hyperlink**
Click this to open the Setting Screen.
- ⑯ **Media indicator**
This shows the current type of media (CF or USB) and its remaining open capacity.

Setting Screen

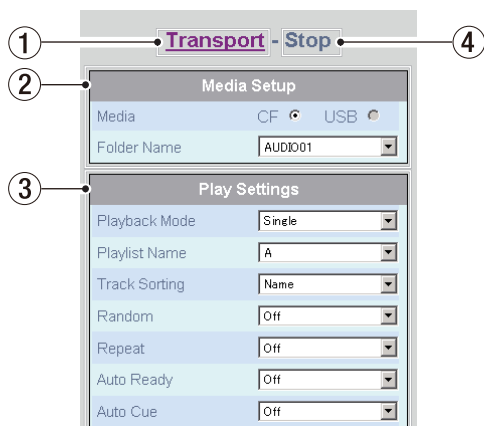
You can select the value for each setting from a pull-down menu to change it. Click the pull-down menu to show the setting options and click the desired value to set it.

Values can be input directly into items 5-14 File and 5-15 Mark.

These items can only be selected and set when the unit is stopped (Transport Status Display is **STOP**). Even items that can be changed during playback using a menu screen on the unit cannot be changed from the browser.

This screen has four sections: Media Setup, Play Settings, Record Settings and System Settings. Since there are many items that can be set, usually not all of them can be viewed at once in the browser. Scroll through the browser window to view the items that are not shown.

The items are based on the corresponding settings in the menu system of the unit.



Setting Screen Media Setup and Play Settings sections

- ① **Transport hyperlink**
Click this to open the Transport Screen.
- ② **Media Setup section**

2-1 Media

Use this to select the type of media.

Click the radio button to the right of a media type (CF or USB) to select it. The one with the black dot is currently selected.

If the media type is not available (CF card not inserted or USB media not connected), its radio

button will be grayed out and it cannot be selected.

2-2 Folder Name

Select the desired folder from the pull-down menu.

The bottom item in the pull-down menu is **Create New Folder**. Select this to create a new folder and set it as the current folder. This folder will be named automatically.

③ Play Settings section

3-1 Playback Mode

Select the playback mode from the pull-down menu.

3-2 Playlist Name

Select the playlist from the pull-down menu.

The bottom item in the pull-down menu is **Create New Playlist**. Click this to create a new playlist and set it as the current playlist. This playlist will be named automatically. Playlists cannot be edited using the browser.

3-3 Track Sorting

Use the pull-down menu to set the track sorting order.

3-4 Random

Use the pull-down menu to turn random playback On or Off.

3-5 Repeat

Use the pull-down menu to turn repeat playback On or Off.

3-6 Auto Ready

Use the pull-down menu to turn the auto ready function On or Off.

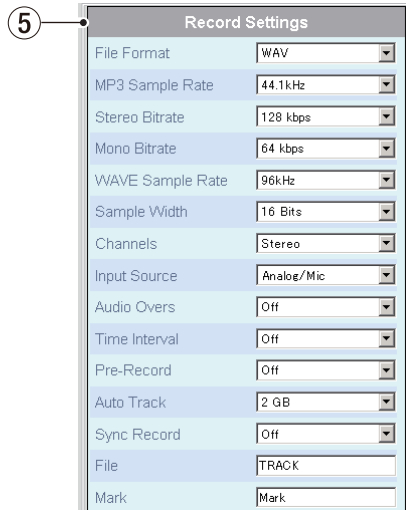
3-7 Auto Cue

Use the pull-down menu to set the auto cue threshold value or turn the function Off.

④ Transport status display

This shows the transport status: **STOP**, **Play**, **Pause** or **Record**.

Settings on this page can be selected or changed only when in the **STOP** state.



Setting Screen Record Settings section

⑤ **Record Settings section**

5-1 File Format

Use the pull-down menu to set the recording file format.

5-2 MP3 Sample Rate

Use the pull-down menu to set the MP3 file recording sample rate.

5-3 Stereo Bitrate

Use the pull-down menu to set the stereo MP3 file recording bit rate.

5-4 Mono Bitrate

Use the pull-down menu to set the mono MP3 file recording bit rate.

5-5 WAVE Sample Rate

Use the pull-down menu to set the WAV file recording sample rate.

5-6 Sample Width

Use the pull-down menu to set the WAV file recording bit length.

5-7 Channels

Use the pull-down menu to set the input channels.

5-8 Input Source

Use the pull-down menu to set the input source.

5-9 Audio Overs

Use the pull-down menu to turn the automatic creation of markers whenever the audio input overloads On or Off.

5-10 Time Interval

Use the pull-down menu to set the time interval of markers created automatically or turn the function Off.

5-11 Pre-Record

Use the pull-down menu to turn pre-recording On or Off.

5-12 Auto Track

Use the pull-down menu to set the maximum size of recorded audio files.

5-13 Sync Record

Use the pull-down menu to set the threshold value of the sync record function or to turn it Off.

5-14 File

Set the base name given to new audio files that are created. This is not a pull-down menu. Enter up to 20 characters directly into the field. Only single-byte alphabetic or numeral characters can be used.

5-15 Mark

Set the base name given to new markers. This is not a pull-down menu. Enter up to 20 characters directly into the field. Only single-byte alphabetic or numeral characters can be used.



Setting Screen System Settings section

⑥ **System Settings section**

6-1 Ducking Mode

Use the pull-down menu to set the ducking mode.

6-2 Ducking Threshold

Use the pull-down menu to set the ducking threshold.

6-3 Ducking Attenuation

Use the pull-down menu to set the amount of attenuation when ducking.

6-4 Ducking Hold Time

Use the pull-down menu to set the amount of time until the ducking function is turned off after the input becomes lower than the ducking threshold.

6-5 Meter Clip Hold

Use the pull-down menu to set the amount of time that the overload indicator stays lit after meter clipping.

6-6 Meter Decay Rate

Use the pull-down menu to set the speed of meter decay.

6-7 Meter Peak Decay

Use the pull-down menu to set the speed of meter peak decay.

6-8 Meter Overload Threshold

Use the pull-down menu to set the threshold level for lighting meter overload indicators.

6-9 Parallel Mode

Use the pull-down menu to set how tracks are controlled from the parallel port.

6-10 Input Polarity

Use the pull-down menu to set the input signal polarity of the parallel port.

6-11 Busy 1 Signal

Use the pull-down menu to set the condition for generating a busy 1 signal.

6-12 Busy 1 Polarity

Use the pull-down menu to set the polarity of the busy 1 relay when it is idle.

6-13 Busy 2 Signal

Use the pull-down menu to set the condition for generating a busy 2 signal.

6-14 Busy 2 Polarity

Use the pull-down menu to set the polarity of the busy 2 relay when it is idle.

6-15 Resume

Use the pull-down menu to turn the resume function On or Off.

6-16 Shuttle Mode

Use the pull-down menu to set the transport control mode of the **SHUTTLE/DATA** wheel.

6-17 Ref Level

Use the pull-down menu to set the digital audio level (dBFS) that corresponds to the analog reference level (dBu).

6-18 CF Door Action

Use the pull-down menu to set what happens when the CF card slot door is opened.

6-19 Keyboard Type

Use the pull-down menu to set the type of keyboard that is connected to the unit's USB port.

6-20 Trigger Mode (Playlist Defaults setting)

Use the pull-down menu to set how external input controls track playback.

6-21 Interruptible (Playlist Defaults setting)

Use the pull-down menu to set whether or not receiving a playback trigger for another track will interrupt the currently playing track.

6-22 Repeat Count (Playlist Defaults setting)

Use the pull-down menu to set the number of times playback is repeated when a track is triggered.

6-23 Attenuation (Playlist Defaults setting)

Use the pull-down menu to set the amount that the level of a track is lowered during playback.

⑦ **Transport hyperlink**

Click this to open the Transport Screen.

Automatic time adjustment function

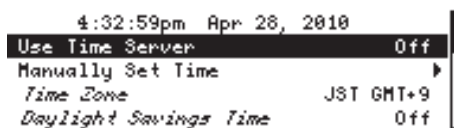
This unit can automatically access an NTP server on the Internet once per day to synchronize the current date and time (system time).

CAUTION

- Take care when connecting the HD-R1 to a network that is route-able from the public internet. Telnet access requires no password, so the HD-R1 can be controlled at any time by anyone who knows the IP address.
- The server access will automatically be set to `tock.usno.navy.mil`, `time.windows.com` or `pool.ntp.org`. Other servers cannot be selected.
- Automatic time adjustment will occur 24 hours after the last server access.

The addition of this function changes the System Time item in the Utilities menu described in chapter 3—Screens and Menus of the Owner's Manual.

Previously, selecting `Setup System Time` and pressing the **ENTER** key opened the `Setup System Time` submenu where you could manually set the date and time.



Setup System Time submenu with Use Time Server set to Off

The contents shown on the `Setup System Time` submenu depend on whether the `Use Time Server` item is `On` or `Off`.

When "Use Time Server" is "Off"

Current time display

The current date and time (system time) of the real-time clock is shown. The date and time is shown in a 12-hour format (am, pm) as `h:mm:ss(am/pm) MMM DD, YYYY`.

For example: `18:46:58` (24-hour time) on May 26, 2010 would be shown as: `6:46:58pm May 26, 2010`.

Use Time Server

This function allows the unit to automatically access an NTP server on the Internet to synchronize the current date and time (system time). When `On` the unit accesses an NTP server on the Internet every 24 hours to automatically adjust the time. Moreover, the `Time Zone` and `Daylight Savings Time` items become available.

TIP

In order to confirm that the unit has correctly synchronized its time with an NTP server, manually set the

HD-R1 system time incorrectly by a large amount before turning the `Use Time Server` item `On`.

Manually Set Time

This item only appears when `Use Time Server` is set to `Off`.

Use this screen to set the current date and time (system time) of the real-time clock.

When this screen is open, use the **SKIP** (`←←/→→`) keys to move between data fields, and use the **SHUTTLE/DATA** wheel to adjust the values.

When you are finished setting the time, use the **SKIP** (`←←/→→`) keys to select `SAVE`, and press the **ENTER** key to confirm the edited time and return to the `Setup System Time` submenu.

To cancel your changes, press the **CANCEL** key to return to the `Setup System Time` submenu and restore the system time to the previous setting.

NOTE

The system time is set at the factory at the time of production. Be sure to reset it accurately before you first use the unit.

Time Zone

When `Use Time Server` is set to `Off`, this item is disabled.

Daylight Saving Time

When `Use Time Server` is set to `Off`, this item is disabled.

When "Use Time Server" is "On"

Current time display

Same as when `Use Time Server` is set to `Off`.

Use Time Server

Same as when `Use Time Server` is set to `Off`.

Sync Time Now

This item only appears when `Use Time Server` is set to `On`.

Select this item and press the **ENTER** key to access an NTP server by the Internet and automatically adjust the current date and time (system time).

Time Zone

This item is enabled only when `Use Time Server` is set to `On`.

Set the time zone to adjust the time to that of the current location. The time zone can be set in a range between `-11` and `+12` hours compared to GMT/UTS. Generally, this is in one hour intervals and is shown as the abbreviated time zone name followed by `GMT+h` or `GMT-h` with `h` being the

number of hours. When the time zone has a 30-minute difference, this is shown as, 3:30 for example.

NOTE

The automatic time adjustment function retrieves the standard time and adjusts the internal clock. When `Use Time Server` is `On`, the time zone must be set correctly to show the time accurately.

Daylight Saving Time

This item is only enabled when `Use Time Server` is set to `On`.

This allows the clock to be set for daylight saving time (DST or summer time). Set it to `On` to adjust the current time (system time) for daylight savings time.

NOTE

This feature is set for daylight saving time in North American time zones (as of 2010).

Start: 2 AM on the second Sunday in March

End: 2 AM on the first Sunday in November

Adjustment: Sets the clock one hour ahead during the above period.

