# HOW TO INITIALIZE THE BLU-RAY DISC PLAYER

To put the program back at the factory-default, initialize the BD player as the following procedure.

**Note:**

• By initializing, network is reset to disconnected state and "Network Service Disclaimer" appears on the screen.

• Once the unit is initialized, the unit starts from Initialization the next time it is turned on. The Initialization allows quick set up of language and network settings. To exit this mode, select "Cancel" on the screen.

1. Turn the power on.

2. Remove the disc on the tray and close the tray.

3. Press [▶▶I] (skip up), [1], [2], and [3] buttons on the remote control unit in this order.
   Fig. a appears on the screen.
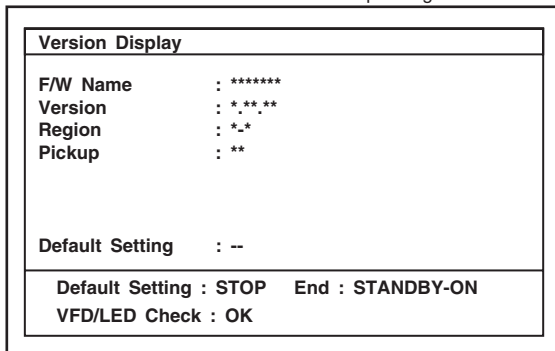
"*" differ depending on the models.

```
┌──────────────────────────────────────────┐
│  Version Display                         │
│                                          │
│  F/W Name           : *******            │
│  Version            : *.**.**            │
│  Region             : *-*                │
│  Pickup             : **                 │
│                                          │
│                                          │
│  Default Setting    : --                 │
│ ┌────────────────────────────────────┐   │
│  Default Setting : STOP   End : STANDBY-ON│
│  VFD/LED Check : OK                       │
└──────────────────────────────────────────┘
```

Fig. a

4. Press [ ■ ] button on the remote control unit.
   Fig. b appears on the screen.

"*" differ depending on the models.

```
┌──────────────────────────────────────────┐
│  Version Display                         │
│                                          │
│  F/W Name           : *******            │
│  Version            : *.**.**            │
│  Region             : *-*                │
│  Pickup             : **                 │
│                                          │
│                                          │
│  Default Setting    : SUCCESS            │
│ ┌────────────────────────────────────┐   │
│  Default Setting : STOP   End : STANDBY-ON│
│  VFD/LED Check : OK                       │
└──────────────────────────────────────────┘
```
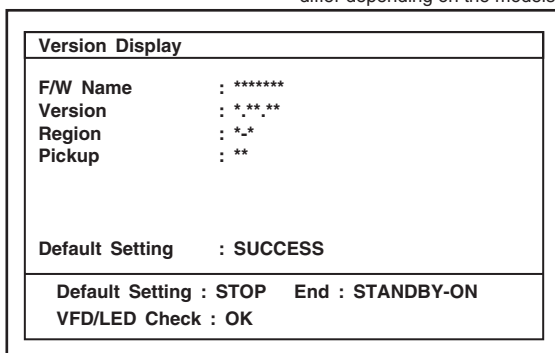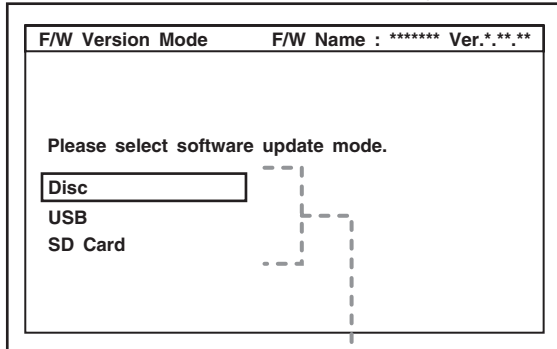
Fig. b

5. After initializing, the power will turn off automatically.

# FIRMWARE RENEWAL MODE

**Note:** The file extension of the available firmware is "b42".

1. Turn the power on and remove the disc on the tray and close the tray.
2. Press [▶▶I] (skip up), [6], [5], and [4] buttons on the remote control unit in this order.
   Fig. a appears on the screen.

"*" differ depending on the models.

```
┌─────────────────────────────────────────────┐
│  F/W  Version  Mode      F/W Name : ******* Ver.*.**.**  │
│                                               │
│                                               │
│   Please  select  software  update  mode.     │
│  ┌──────────────────┐                         │
│  │ Disc             │                          │
│  └──────────────────┘                         │
│   USB                                          │
│   SD  Card                                     │
│                                               │
│                                               │
└─────────────────────────────────────────────┘
```

The available software update mode will differ depending on the model type.

Fig. a   Version Up Mode Screen (Example)

3. Select "Disc" or "USB" or "SD Card" and press [OK] button on the remote control unit.
4. Insert the disc or USB Memory Stick or SD Card for version up.
5. The BD player enters the F/W version up mode automatically. Fig. b will appear on the screen. Make sure to insert the proper F/W for the state of this model.
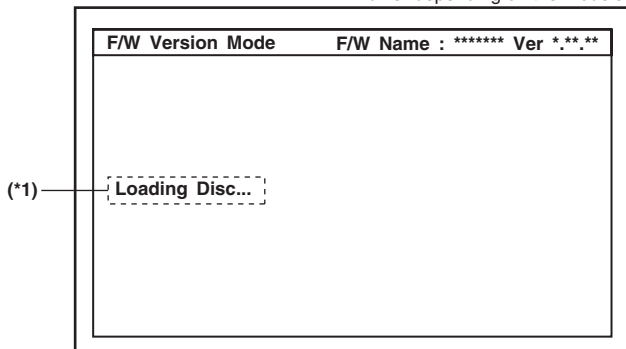
"*" differ depending on the models.

```
┌─────────────────────────────────────────────┐
│  F/W  Version  Mode      F/W  Name : ******* Ver *.**.**  │
│                                               │
│                                               │
│                                               │
│                                               │
│ (*1) ──┌ ─ ─ ─ ─ ─ ─ ┐                         │
│        │ Loading Disc... │                     │
│        └ ─ ─ ─ ─ ─ ─ ┘                         │
│                                               │
│                                               │
└─────────────────────────────────────────────┘
```

Fig. b   Programming Mode Screen (Example)

The appearance shown in (*1) of Fig. b is described as follows:

| No. | Appearance | State |
|-----|------------|-------|
| 1 | Loading Disc | Loading the disc |
| 2 | Reading... | Sending files into the memory. |
| 3 | See LED. | Writing new version data, the progress will be displayed as shown in Fig. c. |

"*" differ depending on the models.

```
┌─────────────────────────────────────────────┐
│  F/W  Version  Mode      F/W  Name : ******* Ver *.**.**  │
│                                               │
│  1. ALL                                        │
│     Version : *.**.**         ***************.b42  │
│     CHECKSUM : ****                            │
│                                               │
│  See  LED.                                     │
│  The unit will automatically turn off when update is completed,  │
│  and automatically turns back on.              │
│                                               │
│  Updating : LED flash alternately.             │
│  Success  : LED remain on.                     │
│  Error    : All LED flash at the same time.    │
│                                               │
└─────────────────────────────────────────────┘
```
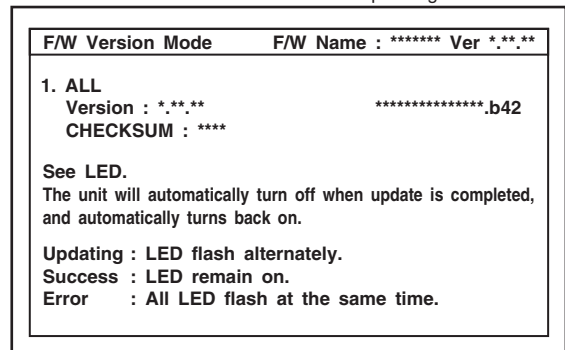
Fig. c   Version Up Mode

6. After the update, the power will turn off automatically.
7. The power turns back on automatically. Remove the disc or USB Memory Stick or SD Card from the unit.

**Note:** All the settings will be put back to factory-default.

The following USB Memory Stick/SD Card can be used for software update. Make sure to use a device that has enough space.
• USB Memory Stick (FAT16/FAT32 file system)
• SD/Mini SD/Micro SD Card (FAT12/FAT16 file system)
• SDHC/Mini SDHC/Micro SDHC Card (FAT32 file system)

# How to Verify the Firmware Version

1. Turn the power on.
2. Remove the disc on the tray and close the tray.
3. Press [▶▶I] (skip up), [1], [2], and [3] buttons on the remote control unit in this order.
   Fig. d appears on the screen.

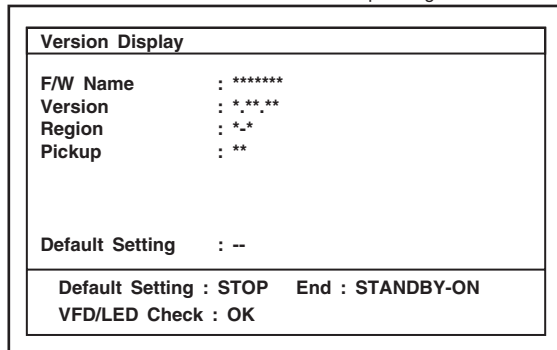<div style="text-align:right">"*" differ depending on the models.</div>

```
┌─────────────────────────────────────────┐
│  Version Display                         │
│ ─────────────────────────────────────── │
│  F/W Name        : *******               │
│  Version         : *.**.**               │
│  Region          : *-*                   │
│  Pickup          : **                    │
│                                          │
│                                          │
│  Default Setting  : --                   │
│ ─────────────────────────────────────── │
│   Default Setting : STOP   End : STANDBY-ON │
│   VFD/LED Check : OK                      │
└─────────────────────────────────────────┘
```

<div style="text-align:center">Fig. d</div>

4. To exit this mode, press [ ⏻ ] button.

# FIRMWARE RENEWAL MODE (for User)

## Disc/USB Memory Stick/SD Card Update

1. Press [HOME] button to display Setup menu.

2. Select Settings - Others - Software Update.

3. Select the software update mode from "Disc" or "USB Memory Stick" or "SD Memory Card." The available software update mode will differ depending on the model type.

4. The screen appears in Fig. e when "Yes" is chosen.
   Insert the disc or USB Memory Stick or SD Card for software update.

   ```
   Software Update

   Please insert a disc for software update. If you want to exit update, press
   [RETURN].
   ```
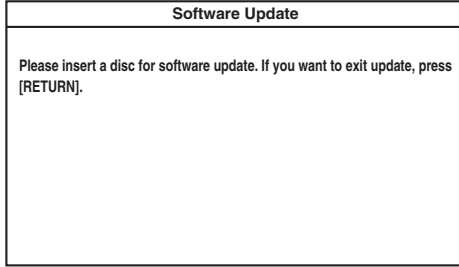
   Fig. e  (Example of Disc mode)

5. Disc loading starts. Fig. f will appear on the screen.

   ```
   Software Update

   Loading Disc....
   ```
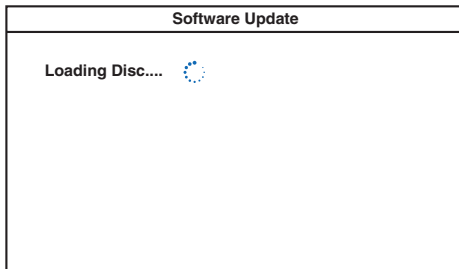
   Fig. f  (Example of Disc mode)

6. Fig. g will appear on the screen, then select "Yes".

   ```
   Software Update

   Current Version  : X.XX.XX
   Insert Version   : X.XX.XX

   Select 'Yes' and press [OK] button to start updating.
   Press 'No' to exit software update.

              No          Yes
   ```
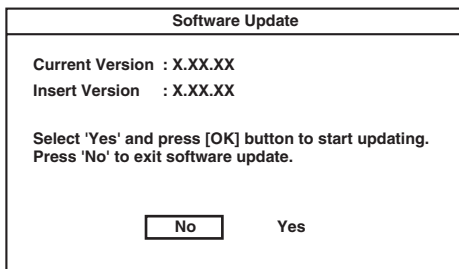
   Fig. g

7. Firmware loading starts. Fig. h will appear on the screen.

   ```
   Software Update

   1. Loading    2. Updating

   Loading Software...
   ○ ○ ○ ◉ ● ● ● ● ● ●
   If you want to exit update, press [RETURN].
   ```
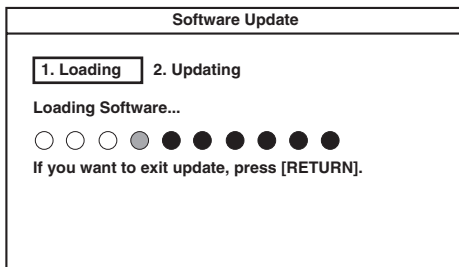
   Fig. h

8. Updating starts automatically. Fig. i will appear on the screen.

   ```
   Software Update

   1. Loading    2. Updating

   Updating Software...

   Please wait for a few minutes.
   Do not unplug the AC cord or interrupt updating process.
   When update is completed unit will automatically turn off.
   Update disc will eject after unit automatically turns back on.

   Updating   :  ◯  flash alternately.
   Success    :  ◯  remain on.
   ```
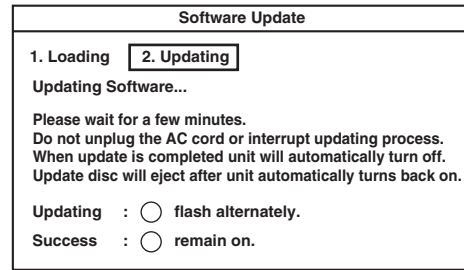
   Fig. i  (Example of Disc mode)

9. The power turns off automatically.

10. The power turns back on automatically. Remove the disc or USB Memory Stick or SD Card from the unit.

**Note:** The setup setting configured before the update will be kept.

The following USB Memory Stick/SD Card can be used for software update. Make sure to use a device that has enough space.
- USB Memory Stick (FAT16/FAT32 file system)
- SD/Mini SD/Micro SD Card (FAT12/FAT16 file system)
- SDHC/Mini SDHC/Micro SDHC Card (FAT32 file system)

# Network Update

1. Press [HOME] button to display Setup menu.
2. Select Settings - Others - Software Update - Network.
3. When "Yes" is chosen, the screen appears in Fig. j and the unit starts connecting to the network.
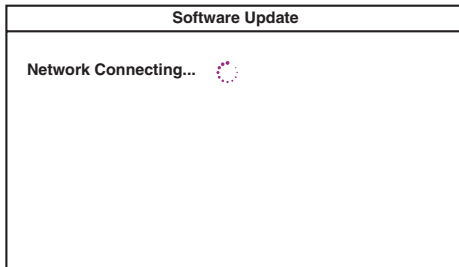
```
Software Update

Network Connecting...    ⟳
```

Fig. j

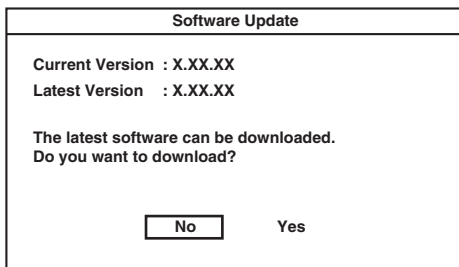4. The firmware version confirmation screen (Fig. k) will appear on the screen. Select "Yes" and press [OK] button.

```
Software Update

Current Version  : X.XX.XX
Latest Version   : X.XX.XX

The latest software can be downloaded.
Do you want to download?

              No        Yes
```

Fig. k

5. Firmware downloading starts.
6. Upon completion of downloading, Fig. l will appear on the screen.
Press [OK] button.

```
Software Update

Software download has been completed.
Software update will start shortly.

Press [OK].
```
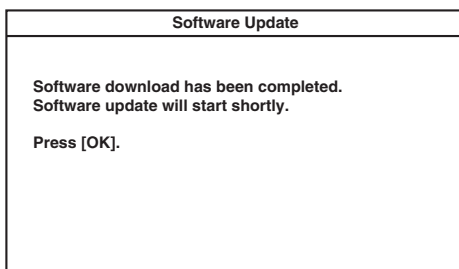
Fig. l

7. The unit starts reading the firmware. Fig. m will appear on the screen.

```
Software Update

1. Loading    2. Updating

Loading Software...

○ ○ ○ ◐ ● ● ● ● ●
If you want to exit update, press [RETURN].
Then all download data will be erased.
```
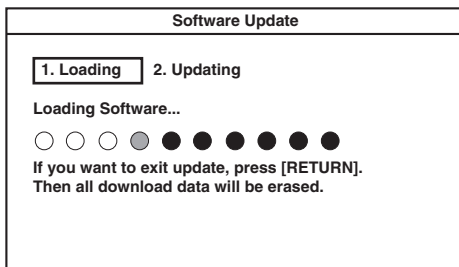
Fig. m

8. Updating starts automatically. Fig. n will appear on the screen.

```
Software Update

1. Loading    2. Updating

Updating Software...

Please wait for a few minutes.
Do not unplug the AC cord or interrupt updating process.
When update is completed unit will automatically turn off,
and unit will automatically turn back on.

Updating   :  ○  flash alternately.
Success    :  ○  remain on.
```
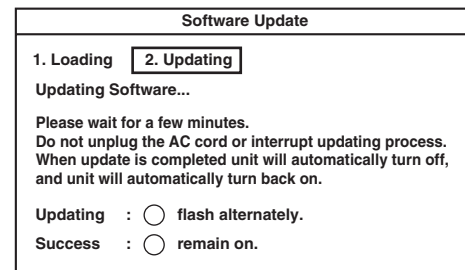
Fig. n

9. The power turns off automatically.
10. The power turns back on automatically.

**Note:** The setup setting configured before the update will be kept.

## Network Error Message

| No. | Error Message |
|-----|---------------|
| 1 | The cable is not connected.<br>Please confirm the connection of the cable. |
| 2 | DHCP cannot be acquired.<br>Please confirm connection or set it with the manual operation. |
| 3 | Internet Protocol address is not set.<br>Please confirm the set content. |
| 4 | The equipment with same Internet Protocol address already exists.<br>Please set another Internet Protocol address. |
| 5 | There is no response from Default gateway.<br>Please confirm the address of Default gateway. |
| 6 | It is not possible to connect to the DNS server.<br>Please confirm the Internet connection or the DNS address setting. |
| 7 | It is not possible to connect to the server.<br>Please contact our support center. |
| 8 | It is not possible to confirm the software version.<br>Please contact our support center. |
| 9 | Cannot connect to the wireless network.<br>Please confirm the wireless network setting. |

# ERROR MESSAGE

**Note:** Only error messages for the unit's corresponding media will appear.

> Disc Error
> - - Please eject the disc. - -
> Playback feature may not be available on this Disc.

| Error | Message |
|---|---|
| Disc Error | Disc Error<br>- - Please eject the disc. - -<br>Playback feature may not be available on this Disc. |
| Loader Error | Loader Error<br>The unit stopped automatically due to loader error.<br>Please open the disc tray once and then close it. |
| Parental Lock Error | Parental Lock On<br>The current selected parental level prohibits playback. |
| Region Error | Region Error<br>Playback is not authorized in your region.<br>Region code of this disc : |
| The device connected for HDMI connection does not support HDCP. | (There is no message.) |
| USB Error | Memory Device Error<br>- - Please check the Memory Device. - -<br>There is no playback file on the Memory Device or Device has incorrect/no format. |
| BD-Live Network Connecting Error | BD-Live Setting Error<br>Network connection is interrupted. Please confirm "BD-Live Setting". |
| LAN Cable Not Connected | The cable is not connected.<br>Please confirm the connection of the cable. |
| Cannot Acquire DHCP Server | DHCP cannot be acquired.<br>Please confirm connection or set it with the manual operation. |
| Cannot Acquire IP Address | Internet Protocol address is not set.<br>Please confirm the set content. |
| Already Existing IP Address | The equipment with same Internet Protocol address already exists.<br>Please set another Internet Protocol address. |
| No Response From Default Gateway | There is no response from Default gateway.<br>Please confirm the address of Default gateway. |
| Cannot Connect To DNS Server | It is not possible to connect to the DNS server.<br>Please confirm the Internet connection or the DNS address setting. |
| Cannot Connect To Server | It is not possible to connect to the server.<br>Please contact our support center. |
| Cannot Confirm Firmware Version | It is not possible to confirm the software version.<br>Please contact our support center. |

| Error | Message |
|---|---|
| Firmware Update Error (Update File Error) | Error detected.<br>File may be corrupted.<br>Please download software again. |
| | Error detected.<br>Please confirm whether it is USB device that corresponds to software update. |
| Cannot Connect To Download Server | It is not possible to connect to the server.<br>Please contact our support center. |
| USB Error | Error in the USB Connection. USB operation has been stopped automatically. Please remove the USB device and restart the unit. |

# HOME NETWORK (DLNA) ERROR CODE

Error Code appears in the error screen when the unit detects an error, as shown below. The code is used to specifically determine the cause of error.

```
Network Error
┌─────────────────────────────────────────────┐
│ Cannot connected to server. Please check your settings. │
│ Press [OK].                                   │
└─────────────────────────────────────────────┘
                              ┌──────────────┐
                              │ NE [00202010] │
                              └──────────────┘
```

Error message          Error Code
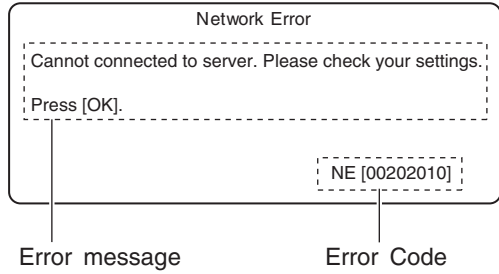
Fig. 1: Error Code (Example)

Error Code are displayed with "NE[********]" ("*" is error code) as shown above.

## Error Code Form

In the Home Network (DLNA), Error Code are used as follows.

002XXXXX
  └─── Detailed Error Code
  └─── Summary Error Code

Fig. 2

"Summary Error Code" are shown in the list below.

| Summary Error Code | Error message |
|---|---|
| 02 | Cannot connect to server. Please check your settings. |
| 03 | Playback Error |
| 05 | No playable files found. |
| 20 | System Error |
| 21 | Unable to display files from the server. Please check server settings. |
| 22 | List Updated. |
| 23 | Connection with server lost. |
| 24 | Unable to connect to more than 10 servers. Please turn off or stop broadcasting 1 or more servers. |

# Detailed Error Code table (DLNA – HTTP Status Code)

| Status Code | Description |
|---|---|
| 201 Created | A new resource was created by this unit's request. |
| 202 Accepted | This unit's request was accepted but its processing is not completed. |
| 204 No Content | Though the server processed the request, there was no content. |
| 205 Reset Content | No content. |
| 300 Multiple Choices | • There are multiple choices.<br>• The server could not determine its response.<br>• Requested information contains multiple representations.<br>This status is handled as Redirection by default and complies with the content of Location HEAD related to this response. |
| 301 Moved Permanently | • Moved Permanently.<br>• Requested resource has been assigned to a new permanent URI (Uniform Resource Identifier). Any future references to this source must use one of the returned URIs.<br>• Indicates that requested information is moved to the URI specified by the Location HEAD. When this status is received, the default action is tracking the Location HEAD related to the response. When the original request method is POST, the redirected request will use GET. |
| 302 Found | • Found.<br>• Requested resource resides temporarily under a different URI.(Uniform Resource Identifier)<br>• Indicates that requested information exists in the URI specified by the Location HEAD. When this status is received, Location HEAD related to the response will be tracked by default. When the request method is POST the redirected request will use GET. |
| 303 See Other | • See other.<br>• The response to the request can be found under a different URI (Uniform Resource Identifier) and to get this response, GET HTTP method will be used.<br>• As a result of POST, client will be automatically redirected to the URI specified by the Location HEAD. GET will be used for requesting to a resource specified by the Location HEAD. |
| 304 Not Modified | This unit caches the latest resource and the requested resource is not modified. (exception protocol error) |
| 305 Use Proxy | • Proxy will be used.<br>• The requested resource must be accessed through the proxy specified by the Location field.<br>• Indicates that request must use the URI given by the Location HEAD to use the proxy server. |
| 400 Bad Request | The server could not understand this unit's request. |
| 401 Unauthorized | Indicates that the resource requested by this unit requires authentication. |
| 403 Forbidden | The server received this unit's request, but refused to fulfill it. |
| 404 Not Found | The requested URI was not found. |
| 405 Method Not Allowed | • The method is not allowed.<br>• The HTTP behavior used is not allowed.<br>• Indicates that request method (POST or GET) is not allowed by the requested resource. |
| 406 Not Acceptable | • The client could not find an acceptable response.<br>• Indicates that the client specifies not to accept arbitrary representation for Accept header which could be used by the resource. |
| 407 Proxy Authentication Required | • Proxy authentication is required.<br>• Indicates that the requested proxy will request authentication. Proxy-authenticate header contains the detailed method for authentication. |
| 408 Request Timeout | • While waiting for request, the server timed out.<br>• Indicates that the client did not send a request within the expected time by the server. |

| Status Code | | Description |
|---|---|---|
| 409 | Conflict | • There is a conflict.<br>• The server timed out while waiting for a request.<br>• Indicates that the client did not send a request within the expected time by the server. |
| 410 | Gone | • No longer available.<br>• The requested resource could not be found at the server and forwarding address is unknown.<br>• Indicates that requested resource is no longer available. |
| 411 | Length Required | • Length required.<br>• The server refused to accept the request where Content-Length was undefined.<br>• Indicates Content-length header is not defined. |
| 412 | Precondition Failed | • Fails to fulfill precondition.<br>• The precondition in one or more of the requested header field has been tested false by the server.<br>• The precondition given in the request could not be fulfilled and the request failed. Precondition can be set using If-Match, If-None-Match, If-Unmodified-Since request header. |
| 413 | Request Entity Too Large | • The requested entity is too large.<br>• The server refused to process the request since the requested entity is larger than the server is willing or able to process.<br>• Indicates that the request is too large for the server to process. |
| 414 | Request-URI Too Long | • The Request-URI is too long.<br>• The server refused to process the request because the request URI (Uniform Resource Identifier) is too long for the server to interpret.<br>• Indicates that the URI is too long. |
| 415 | Unsupported Media Type | • The media type is not supported.<br>• The server refused to process the request because the format of request entity is not supported by the requested resource for the requested method.<br>• Indicates the requested format is not supported. |
| 500 | Internal Server Error | Internal server error occurred. |
| 501 | Not Implemented | The server does not support functionalities required to process the request from this unit. |
| 502 | Bad Gateway | The proxy server between this unit and the server received an invalid reply from another proxy or the original server. |
| 503 | Service Unavailable | • Service is unavailable.<br>• The service is temporarily overloaded.<br>• Because of overloading or maintenance, the server is temporarily unavailable. |
| 504 | Gateway Timeout | • Gateway timed out.<br>• While waiting for gateway, the request timed out.<br>• Indicates that the intermediate proxy server has timed out while waiting for a response from another proxy or original server. |
| 505 | Version Not Supported | • The version is not supported.<br>• The server refuses or does not support the version of protocol given in the request message.<br>• Indicates that requested version is not supported by the server. |

## Detailed Error Code table (DLNA – Application Status Code)

| Status Code | | Description |
|---|---|---|
| 001 | Nothing List | As a result of list creation process, there is no item to be displayed from the received data. |
| 010 | LAN Disconnect | This unit's LAN is disconnected. |
| 020 | Application Status Error | Error was detected in the DLNA application's internal state. |
| 021 | Application Status Error | Error was detected in the DLNA application's internal state. |
| 022 | Application System Error | Error was detected in the DLNA application system. |

| Status Code | | Description |
|---|---|---|
| 023 | Unsupported Audio Format | An unsupported audio format was discovered. |
| 024 | Server Number Over Limit | Discovered server numbers over limit. |
| 025 | Changed List | The contents list currently displayed has been updated. |
| 026 | Disconnected Server | The original server of the displaying contents list has been disconnected. |
| 027 | Application System Error | Error was detected upon start of DLNA application. |
| 600 | Disconnected Server | The original server of the contents has been disconnected. |
| 601 | Not Exist Content | Content does not exist. |
| 602 | Critical Error | System error. |
| 603 | Changed List | The contents list has been updated at the server. |
| 620 | Not Exist Content | Image content does not exist. |
| 621 | Get failure | Image data get error. (an error other than HTTP status and under 500s) |
| 622 | File Open Error | Image data working file open error. |
| 623 | File Read Error | Image data working file read error. |
| 624 | File Close Error | Image data working file close error. |
| 625 | Decode mode Error | Image data decode mode error. |
| 626 | Header Error | Image data header error. |
| 627 | Struct Error | Image data header structural error. |
| 628 | Decode Error | Image data decode error. |
| 629 | Unsupported Format | Unsupported format. |
| 630 | Unsupported Size | Unsupported data size. |
| 631 | Attach Error | Shared memory attach error. |
| 632 | Dettach Error | Shared memory detach error. |
| 633 | Server Time Out Error | Server timed out. |
| 640 | File Read Error | File read error. |
| 641 | Unsupported Format | Unsupported Format. |
| 642 | No Change Decode Frame | No updates of decode frame. |
| 643 | Stream Get Error | Stream get error. |
| 660 | File Read Error | File read error. |
| 661 | Unsupported Format | Unsupported format. |
| 662 | Video Analyze Error | Video analyze error. |
| 663 | Audio Analyze Error | Audio analyze error. |
| 664 | 1sec Offset Get Error | 1sec offset get error. |
| 665 | Address Search Error | Address search error. |
| 680 | RFS_EVENT_SOCKET_ ERROR | Socket error. |
| 681 | RFS_EVENT_HTTP_ RES_SERVER_ REFUSED | Server refusal notification. |
| 682 | RFS_EVENT_HTTP_ RES_NOT_FOUND | The specified contents could not be found. |
| 683 | RFS_EVENT_HTTP_ RES_SERVER_ERROR | Server error. |

| Status Code | | Description |
|---|---|---|
| 684 | RFS_EVENT_HTTP_ RES_UNEXPECTED_ CODE | Unexpected status code. |
| 685 | RFS_EVENT_HTTP_ RES_RANGE_NOT_ SATISFIABLE | The specified range is not satisfiable. |
| 686 | RFS_EVENT_RECV_ TIMEOUT | Timed out while waiting for response. |
| 687 | RFS_EVENT_DTCP_ ERROR | RCVC internal error. (DTCP originated) |
| 688 | RFS_EVENT_DTCP_ CONNECT_ERROR | DTCP connection error. |
| 689 | RFS_EVENT_DTCP_ KEY_MNG_ERROR | Kx key error. |
| 690 | RFS_EVENT_ RESPONSE_DATA_ ERROR | Received message is invalid. |
| 691 | RFS_EVENT_SYSTEM_ ERROR | RCVC internal error. |
| 692 | RFS_EVENT_TCP_ DISCONNECTED | The TCP connection has been disconnected by the server during streaming. |
| 693 | RFS_EVENT_ CONNECT_TIMEOUT | Time out occurred while establishing TCP connection. |
| 694 | RFS_EVENT_RECV_ ERROR | Could not receive contents. |
| 700 | Refresh Error | Failed to update server list. |
| 701 | Disconnected Server | The server has been disconnected while displaying contents list. |
| 702 | Server Not Found | The server has been disconnected while getting contents list. |
| 703 | Server Info Error | Failed to get server information while getting contents list. |
| 704 | Contents List Error | Failed to get contents list. |
| 705 | Server Config Error | Failed to configure server. |
| 706 | List Not Found | Failed to get contents list. |
| 707 | Changed List | Displayed contents list has been updated. |
| 708 | Object Not Found | Neither folders or playable contents was found. |
| 709 | Object Not Found By Filter | Playable contents was not found by filter. |
| 710 | Object Count Zero | Nothing was found in the folder. |
| 711 | ILLEGAL Server Info | The contents information from the server is invalid. |
| 712 | ILLEGAL Total Count | The total counts of contents from the server is invalid. |
| 713 | Folder not Exist | The specified folder does not exist. (The current contents list displayed has been updated) |
| 714 | Critical Error | An error occurred on the system. |