

# GY-HM660SC Additional Functions

## Time Code Synchronization with GPS

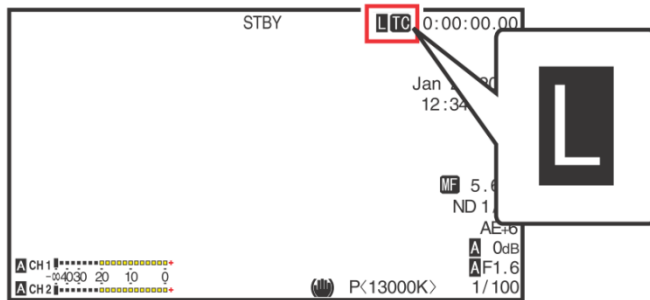
Time code can synchronize with a date and time acquired from GPS.

### Setting Time Code Generator

Press [MENU] button of the camera recorder to display the menu screen, and then set [TC/UB] → [TC Generator] to “Free Run(GPS)”.

Memo:

- When [System] → [Record Set] → [Rec Mode] is set to “Interval Rec”, “Frame Rec”, or “Variable Frame”, settings cannot be made in “Free Run(GPS)”.
- With regard to GPS settings, please refer to “Acquiring Positioning Information by GPS” of the “INSTRUCTIONS” or the Mobile Users Guide. (<http://manual3.jvckenwood.com/pro/mobile/global/>)
- When time code is synchronized, the “L” icon is displayed.



## Adding Time Code Information to a Live Streaming Data

You can add time code information to a live streaming data.

### Setting to add time code to a live streaming data

Set [System] → [Network Settings] → [Live Streaming Set] → [Metadata] to “On”.

Memo:

- With regard to network settings and live streaming settings, please refer to “Connecting to the Network” and “Performing Live Streaming” of the “INSTRUCTIONS” or the Mobile Users Guide. (<http://manual3.jvckenwood.com/pro/mobile/global/>)

## Special record format

With regard to Exchange (Sports Video Interop Group format) as a recording format, you can select 1920x1080 60p (LP) or 1280x720 60p (LP).

### Setting for Record Format

[System] → [Record Set] → [Record Format]

Memo :

- This record format is available only when [Record Format] → [System] is “HD”.
- The video codec is H.264(1920x1080 is bitrate to 12Mbps, 1280x720 is bitrate to 8Mbps),  
The audio codec is AAC(48KHz/128Kbps).
- The location of recording file (.MP4) is under the DCIM folder of the SDCARD.
- The “Backup” settings on the [Slot mode] cannot be used.
- The “Clip Cutter Trigger” function cannot be used.

### TAG data for Exchange (Sports Video Interop Group format)

In case of this recording format, the tagging information files (.xchange) are generated in the same folder of recording files and will reflect the data from Sports Tagging page. For more detail, please visit our Website.

([http://pro.jvc.com/prof/attributes/inst\\_man.jsp?model\\_id=MDL102489&feature\\_id=11](http://pro.jvc.com/prof/attributes/inst_man.jsp?model_id=MDL102489&feature_id=11))

Memo :

- The location is same folder of the recording file (.MP4) and same name.  
(ex) Recording Clip: 123G0001.MP4 > TAG file: 123G0001.xchange
- TAG data of multiple scenes are merged into a single (.xchange) file in the Clip Continuous mode.
- Media Restore, Clip Trimming and FTP transfer function cannot be used for the (.xchange) file.
- The Time Code Information will reflect in the Free Run, Free Run(Ext) and Free Run(GPS) mode only.

## Special record format (2)

With regard to QuickTime (H.264) in a recording format, you can select not only 1920x1080 (XHQ) or (UHQ), but also 1280x720 60p (LP) or 50p (LP).

\*In case of a standard model, you can select 1920x1080 only.

### Setting for Record Format

[System] → [Record Set] → [Record Format]

Memo :

- This record format is available only when [Record Format] → [System] is “HD”.
- The video bitrate is 8Mbps, and total bitrate is 10Mbps.
- With regard to Record settings, please refer to “Record Set Item” of the “INSTRUCTIONS” or the Mobile Users Guide. (<http://manual3.jvckenwood.com/pro/mobile/global/>)

## Special streaming type

With regard to a streaming type, you can select MPEG2-TS/TCP.

### Setting for Streaming Type

[System] → [Network Settings] → [Live Streaming Set] → [Streaming Server] → [Server 1/2/3/4] → [Type]

Memo :

- An encoding bit rate exceeding 3.0 Mbps cannot be selected when [IFB Function] is set to "Enable".

## Input TAG data

1. According to "Connecting to the Network" in the "INSTRUCTIONS" stored in the CD-ROM or the Mobile User Guide. (<http://manual3.jvckenwood.com/pro/mobile/global/>), connect a network device such as a smartphone or a tablet with the camera recorder via network. And then, launch a web browser of the network device.
2. Input the following URL in the address field of the web browser.

**http://*"IP address of the camera recorder"***

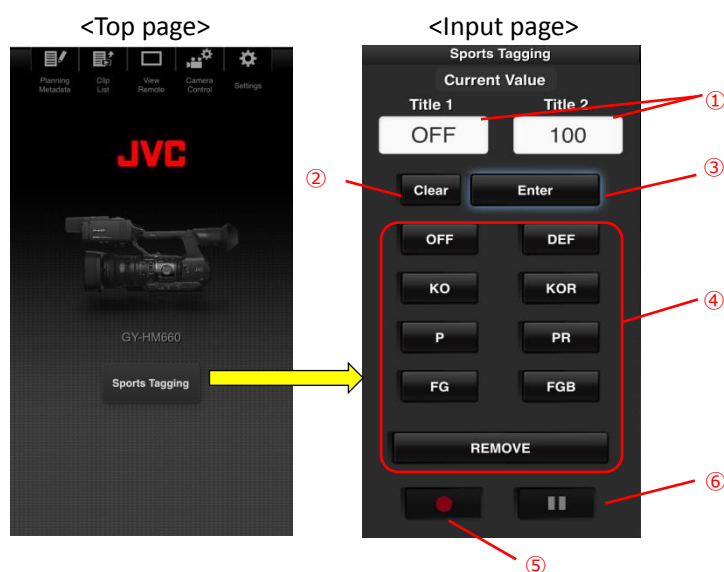
**Example: http://192.168.0.1**

You can find the "**IP address of the camera recorder**" by the following procedures.

- (1) Press [STATUS] button of the camera recorder to display the status screen.
- (2) Use the cross-shaped button (◀ ▶) to display the [Network] status.

3. Input a username (prohd) and a password (default: 0000) on the login screen.

And then, press the [Sports Tagging] button on the web page to move to a Sports Tagging page.



Memo :

- ① **Input Box** ("Title 1", "Title 2")  
Can input data directly. When you use a smartphone or a tablet device, The OS keyboard appears after tapping the box.
- ② **Clear**  
Clear characters in the "Title 1" and "Title 2".
- ③ **Enter**  
Update clip metadata with characters in the "Title 1" and "Title 2".
- ④ **Fixed pattern**  
Change characters in "Title 1".
- ⑤ **Record Trigger**  
starts recording. It is inactive when not ready to rec start. (It also works as "Pause" in the Clip Continuous mode.)
- ⑥ **Record stop**  
stops recording. It is inactive when not ready to rec stop.

(Cautions)

- Be sure to press the "Enter" button to update TAG data in the "Title 1", "Title 2".  
The TAG information is made permanent within the recorded clip at the time of stopping recording. For example, if the TAG data is set to "KO" at the start of recording but the ball is blown off the tee, the operator may change the tag to "REMOVE" at any time prior to stopping recording, and the metadata tag "REMOVE" will be recorded in the clip. (Include during "Pause" in the Clip Continuous mode.)
- When a recording file is automatically split when the size exceeds 4 GB, TAG data may not be recorded to all split files. To cope with this possibility, please use the SDXC card and set menu setting [Main Menu] → [System] → [Record Set] → [4 GB Spanning(SDXC)] to "Off"

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