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## Updates

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Always use the most recent firmware version for this unit. For information about the latest firmware, visit the TEAC Global Site (<http://teac-global.com/>).

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## New functions

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### V1.04 addition

- A **SCREEN SAVER** item has been added to the Menu Screen **UTILITY 1** page. This function prevents the occurrence of afterimages on the display during use for long periods of time.

#### NOTE

A screen saver function has been added. For details, see "New functions in firmware version 1.04" in the CG-2000/CG-1800/CG-1000 addendum.

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## Maintenance items

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### V1.10 improvements

- Information about the occurrence of "Chasing" is now kept in the **ERROR INFORMATION** history.
- Chasing errors would occur in rare cases when the input clock was operating correctly. This has been fixed.

### V1.08 improvement

- Fixed a bug that the end detection display function of video output may be displayed incorrectly.

### V1.07 improvements

- Unlocked judgments are now controlled for reference inputs with large amounts of jitter. This change only affects error display. It has no effect on operation itself.
- Video output chasing judgments are now controlled for reference inputs with large amounts of jitter. This change only affects error display. It has no effect on operation itself.

### V1.06 improvement

- Sometimes it would take some time to lock with an external reference signal immediately after starting up. This has been improved (CG-2000/CG-1800 only).

### V1.05 improvements

- If the reference clock setting was changed when it was switching, sometimes locking would not complete. The performance of this function has been improved.
- When **RED. SEQ.** (redundant sequencing) was set to **ONE WAY**, if both the primary and secondary references were lost, **HOLD OVER** operation would continue after recovery, but sometimes using **PRESET RECALL** for primary recovery would not succeed in one operation. The performance of this function has been improved.

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### V1.04 improvements

- Sometimes relocking would not occur immediately after starting up during the period when the **OCXO** was unstable. The performance of this function has been improved.
- The activation of the redundant sequencing (**RED. SEQ.**) setting has been changed from immediately after starting up to after the **OCXO** stabilizes.
- Until the **OCXO** stabilizes, the unit will operate with preference given to the primary source (**PREF.PRI**). As a result, the issue of reference clock loss and holdover that sometimes occurred during the period when the **OCXO** was unstable immediately after starting up (when the **INTERNAL SIGNAL LED** was blinking) has been resolved.

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### V1.03 improvement

- If the reference clock was set to **WORD**, but the quality of the word reference signal was poor, the **LOCK** (green) and **INFO** (blue) indicators would not light after locking sometimes. This has been improved so that they light properly.

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### V1.02 improvements

- Even if the unit is turned on when no reference clock is being input, it can now generate synchronized video clock and audio clock (CG-2000/CG-1800 only).
- When the **AUTO RATE** item on the **VIDEO CLOCK** screen is set to **ON**, the unit will no longer automatically set formats that it does not support (720P/30fps, etc.) (CG-2000/CG-1800 only).

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### V1.01 improvements

- If the unit is turned on while the reference clock is set to **INTERNAL**, **WORD** or **AES**, and then redundancy is set to use video and audio reference (**WORD** or **AES**), the word clock output signal will stay stable even when switching the reference clock from audio reference to video reference as a result of the redundancy function (CG-2000 only).
- If the unit is turned on while the reference clock is set to **VIDEO** but no video reference signal is being input, when a video reference signal is input later, the amount of time required to lock to it has been reduced (CG-2000 only).
- When redundancy is set for video and word reference (**WORD** or **AES**), the amount of time required to lock to the video reference signal has been reduced when switching the reference clock from word reference to video reference as a result of the redundancy function (CG-2000 only).
- A spelling error has been corrected in the **PUSH CANCEL TO CLEAR** message that appears at the bottom of the **ERROR INFORMATION** screen (**CANCELE** > **CANCEL**).

## Checking the firmware version

Checking the firmware version CG-2000/CG-1800/CG-1000 before conducting a firmware update.

1. Press the **MENU** button to open the **UTILITY 2** menu page, and turn the **MULTI JOG** dial to select the **VERSION** item.
2. Press the **MULTI JOG** dial to open the **VERSION** screen. Check the **VERSION** and **BUILD** shown here.

```
VERSION
VERSION 1.00
BUILD 067
Press ENTER to Update
```

Updating is not necessary if the **VERSION** and **BUILD** shown here are the same or newer than those of the firmware version you intend to use for the update.

## Firmware update procedures

1. Download the latest firmware from the TEAC Global Site (<http://teac-global.com/>). If the downloaded file is in ZIP format or another compressed file type, decompress it.
2. Copy the downloaded firmware to the root directory (top level) of a USB flash drive.
3. Insert the USB flash drive prepared in step 2 into the USB port on the front of the unit.
4. Press the **MENU** button to open the **UTILITY 2** menu page, and turn the **MULTI JOG** dial to select the **VERSION** item.
5. Press the **MULTI JOG** dial to open the **VERSION** screen.

```
VERSION
VERSION 1.00
BUILD 067
Press ENTER to Update
```

6. Press the **MULTI JOG** dial again.
7. When the USB flash drive and firmware update file have been verified, the following screen will appear.

```
VERSION
Old 1.00 Bld 0067
New 1.01 Bld 0074
Execute update ?
```

### NOTE

The screen shown above is an example. The actual appearance will differ.

8. Press the **MULTI JOG** dial.  
**Executing...** appears and the update starts.
9. **Update Complete** appears when the update completes. Then, the unit will automatically restart.
10. Refer to "Checking the firmware version" and confirm that the **VERSION** and the **BUILD** are the latest firmware versions.  
This completes updating the unit.