



# Broadcast Products Technical Bulletin 20-2015-133

DATE: July 13, 2015

SUBJECT: SOFTWARE UPGRADE—VERSION 2.12

MODEL: CA4000  
CA4000

SERIAL NO: ALL

*Italicized information in green applies to customers outside the United States.*

**DESCRIPTION**

Software V2.12 is available. The software includes:

|              |       |
|--------------|-------|
| CAMERA APP   | V2.12 |
| SY           | V2.01 |
| ENC          | V2.00 |
| ENC (F65)    | V2.10 |
| ENC (F65 2X) | V2.10 |
| PROP         | V2.12 |
| TX           | V2.01 |

**NOTE:**

- New PLDs for V2.12 software are in red.
- Both CA4000 and BPU4000 must be upgraded to V2.1 or higher when used together.

**SOFTWARE REQUIRED**

| Part No.  | Description           | Qty. |
|-----------|-----------------------|------|
| FCA400003 | CA4000 Software V2.12 | 1    |

**ORDERING INFORMATION**

To order upgrades, contact:

Sony SoftwarePLUS®  
(800) 538-7550  
[www.sony.com/softwareplus](http://www.sony.com/softwareplus)

**Customers outside the United States:** *Please order parts or upgrades from your usual supplier.*

**NOTE:** The software is available by download only from the SoftwarePLUS website above.

**NEW FEATURES**

- REC trigger is supported.
  - REC START/STOP function is assigned to the ASSIGNABLE SW1, and a REC trigger can be output to HD/4K SDI of BPU via switch operation.
  - The CA TALLY lights RED on REC START.
  - REC S/S is added to OPERATION menu > VF DISPLAY. When set to ON, SDI REC/STOP status is displayed on the VF.

HDCM14-052

- BPU4000 4K COLORSPACE WIDE mode is supported.
- HDVF-L750/L770 is supported. The following items are supported from the VF:

Tally indicator  
DISP ON/OFF  
ZEBRA ON/OFF  
FALSE-COLOR ON/OFF

### PROGRAM IMPROVEMENTS

- AUTO IRIS for PMW-F55 V4.0 is supported.
- The shutter is now displayed properly. Previously, the shutter was no longer displayed after upgrading to V2.0.  
**NOTE:** If the REFERENCE FILE is stored with V1.0 and STANDARD is executed with V2.0 or higher, the shutter may not be functional. In this case:
  - a. Recover the unit by powering OFF/ON.
  - b. Store the REFERENCE FILE after upgrading to V2.0, or execute ALL PRESET in the FILE menu of CA > REFERENCE.
- In PMW-F55 systems:
  - The format for PMW-F55 now matches the format for the system after the PMW-F55 power switch is turned OFF/ON.
  - A CheckSum error no longer occurs with communication between PMW-F55 and CA4000.
- If F65 is powered OFF/ON from CA4000, the image no longer fails to be output or VF POWER no longer turns OFF on rare occasions.
- When COLOR DETAIL is set to GREEN, the color of the PEAK no longer differs from the COLOR DETAIL.

### UPGRADE PROCEDURE

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#### **NOTE:**

- Refer to the maintenance manual, section 1-8, "Upgrading Software Programs."
  - Upgrade CAMERA APP software first, then upgrade PLD data.
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#### Prepare Software

1. Download software from the SoftwarePLUS website:

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| ca4000_app.pkg        | Software file                                             |
| ca4000_sy.pkg         | PLD data for SY on SY-427 board                           |
| ca4000_enc_f65.pkg    | PLD data for ENC on DPR-351 board (to connect with F65)   |
| ca4000_enc_f65_2x.pkg | PLD data for ENC on DPR-351 board (for F65 x2 frame rate) |
| ca4000_prop.pkg       | PLD data for PROP on DPR-351 board                        |
| ca4000_tx.pkg         | PLD data for TX on TX-146 board                           |

2. Copy the files to a folder with the following path:

MSSONY\PRO\CAMERA\CA4000

## Upgrade CAMERA APP Software

1. Connect the USB drive containing the new software.
2. Turn unit power ON.
3. Select SERVICE > SOFTWARE PACKAGE.
4. Confirm that the question mark (?) cursor is displayed to the left of the page number, then press and hold the ENTER button.
5. Select CAMERA APP, then press the ENTER button.
6. The message VERSION UP OK? appears. Select YES.  
The unit restarts automatically, and the version update starts. Upon completion, the message UPDATE SUCCEEDED appears.
7. Turn unit power OFF and ON.

## Upgrade PLD Data

1. Connect the USB drive containing the new software.
2. Turn unit power ON.
3. Select SERVICE > PLD PACKAGE.
4. Confirm that the question mark (?) cursor is displayed to the left of the page number, then press and hold the ENTER button.
5. Select the PLD to be upgraded, then press the ENTER button.
6. The message VERSION UP OK? appears. Select YES.  
The unit restarts automatically, and the version update starts. Upon completion, the message UPDATE SUCCEEDED appears.
7. Turn unit power OFF and ON.

## CONFIRMATION

1. In the DIAGNOSIS > ROM VERSION menu, confirm that CAMERA APP software is updated to the correct version:  
CAMERA APP      **V2.12**
2. In the SERVICE > PLD PACKAGE menu, confirm that PLDs are updated to the correct versions:  
SY                      **V2.01**  
ENC                     V2.00  
ENC (F65)            **V2.10**  
ENC (F65 2X)       **V2.10**  
PROP                   **V2.12**  
TX                      **V2.01**  
**NOTE:** New PLDs for V2.12 software are in red.
3. Execute FILE > REFERENCE FILE > ALL PRESET.

## SOFTWARE HISTORY

|                    |             |             |             |
|--------------------|-------------|-------------|-------------|
| CAMERA APP         | V1.03       | V2.02       | V2.12       |
| SY                 | V1.01       | V2.00       | V2.01       |
| ENC                | V1.01       | V2.00       | V2.00       |
| ENC (F65)          | —           | V2.00       | V2.10       |
| ENC (F65 2X)       | —           | V2.00       | V2.10       |
| PROP               | V1.00       | V2.00       | V2.12       |
| TX                 | V1.01       | V2.00       | V2.01       |
| Technical Bulletin | 20-2015-064 | 20-2015-109 | 20-2015-133 |