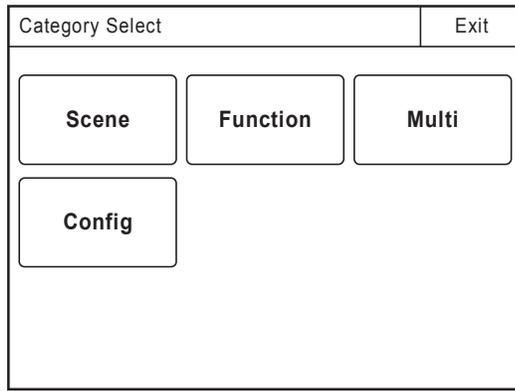


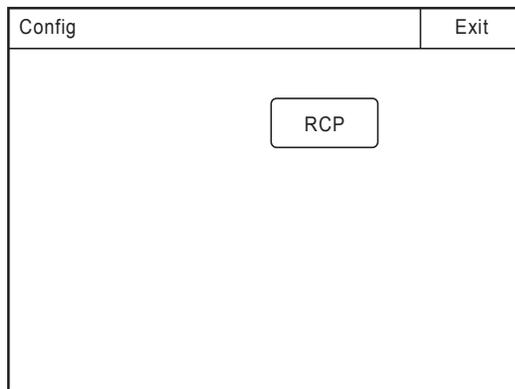
1-6. Service Mode

1-6-1. Service Mode Setting

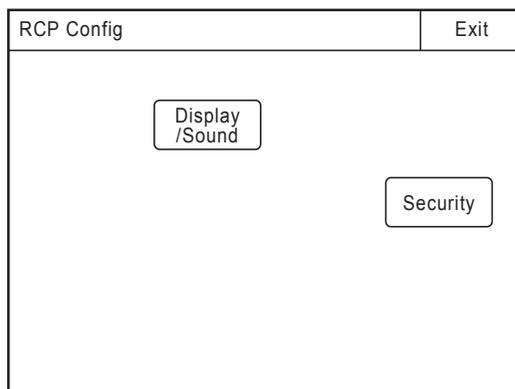
1. Press the [MENU] button on the unit to display the Category Select menu.



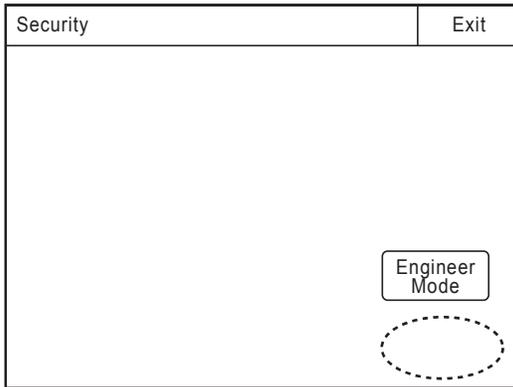
2. Press [Config] on the screen to display the Config menu.



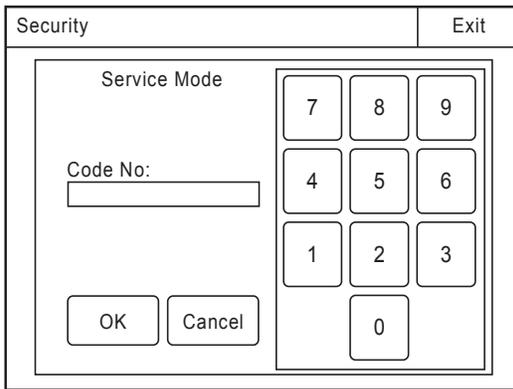
3. Press [RCP] to display the RCP Config menu.



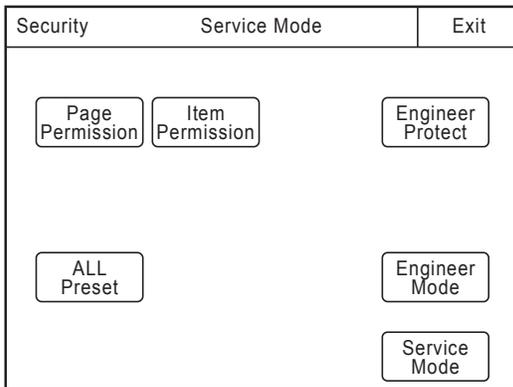
4. Press [Security] to display the Security menu.



5. Press the blank area under [Engineer Mode] (enclosed by dotted line in above figure) for five seconds to display the Code No. input screen.



6. Enter Code No. <05127900> and press [OK] to enter the service mode.



1-6-2. Firmware Update

Notes

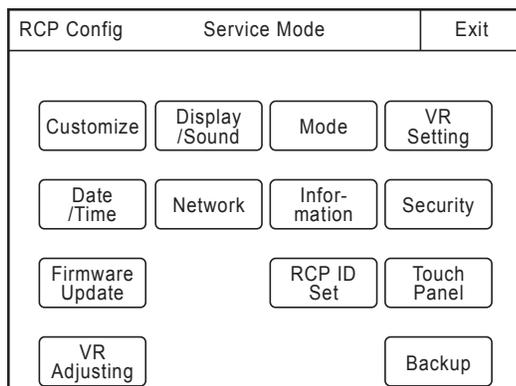
- For how to obtain the ROM data file, contact your local Sony Sales Office/Service Center.
- Do not turn off the power during firmware update. Doing so will disable the unit to restart.

Updating the main program

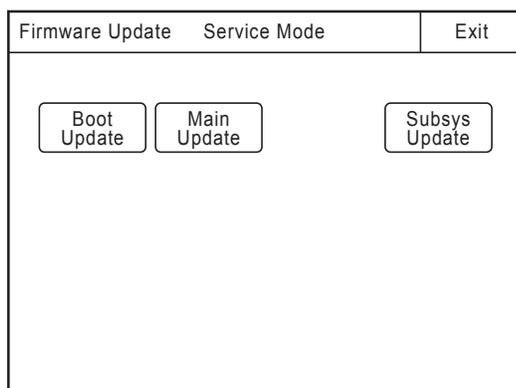
Equipment to be used

- ROM data file (for MAIN): RCP15XX.ROM
- Memory Stick DUO

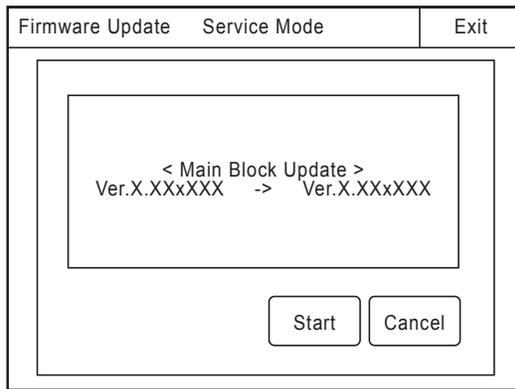
1. Create the following directory for the Memory Stick.
 \MSSONY\PRO\CAMERA\RCP15XX
2. Copy the ROM data file to the above folder of the Memory Stick.
3. Insert the Memory Stick into the Memory Stick slot of the unit.
4. Display the RCP Config menu in the service mode. (Refer to Section 1-6-1.)



5. Press [Firmware Update] to display the Firmware Update menu.



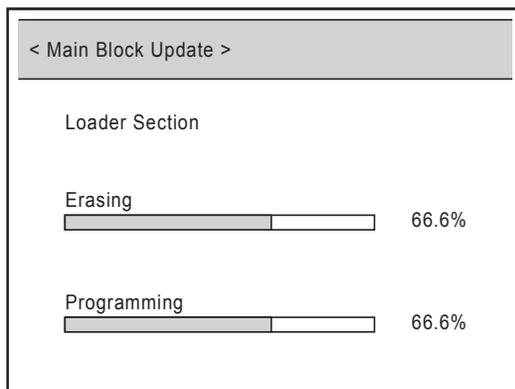
- Press [Main Update] to display the confirmation screen.



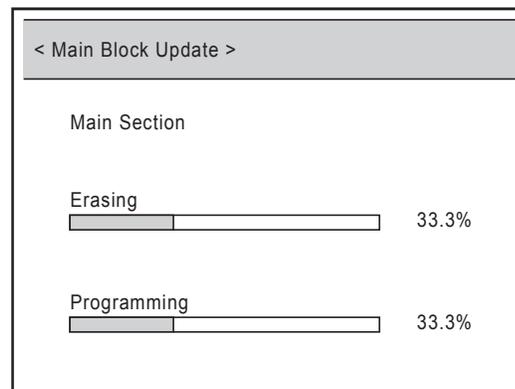
- Press [Start] to perform update of the main program.

Note

The Loader Section and then the Main Section of the main program are updated. The Loader Section is updated first. The screen is cleared when the progress bar reaches 100%, and then the Main Section is updated using the Loader Section loaded in advance.

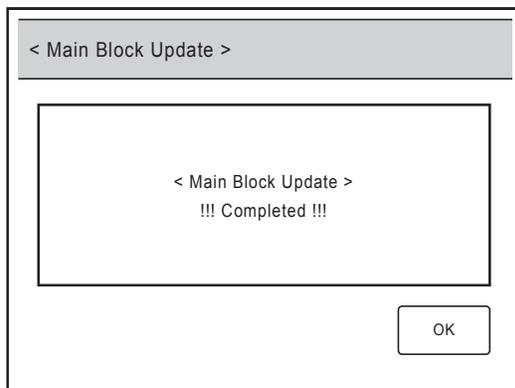


Loader Section Update Screen



Main Section Update Screen

- Confirm on the screen below that the update has been successfully completed.

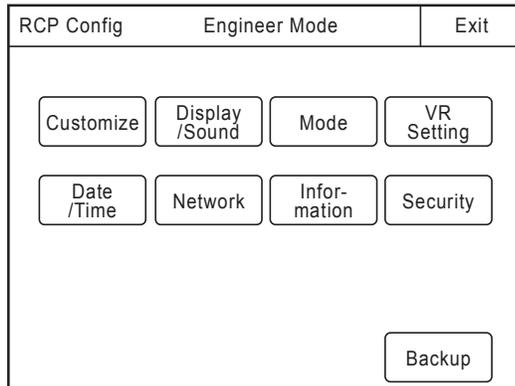


- Press [OK] to restart the unit.

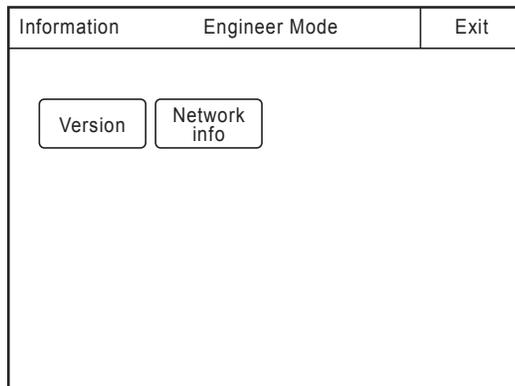
Version check after completion of update

Perform the following procedure to check the program version after the update is completed.

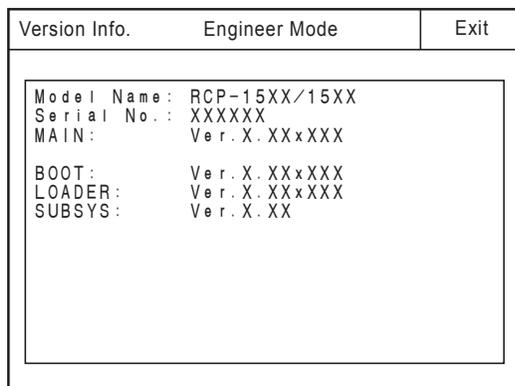
1. Press [Engineer Mode] from the Security menu to enter the engineer mode. (Refer to Section 1-6-1.)
Display the RCP Config menu in the engineer mode.



2. Press [Information] to display the Information menu.



3. Press [Version] to display the Version Info. screen.



Notes

- If entire information is not displayed in the screen, turn the left-end rotary encoder under the LCD to scroll the display.
- The PLD version is displayed in the service mode and engineer mode.

Forced update of the main program

Forced update is an emergency means of update. In case this unit malfunctions due to power-off during update of the main program or other reasons, the main program can be reset by forced update.

1. Insert the Memory Stick that contains the copied ROM data file into the Memory Stick slot of the unit.
2. Turn on the power while pressing the [PARA] button, [MASTER] button, and the SCENE FILE [STORE] button simultaneously.

Notes

- Keep pressing these three buttons until the update display appears on the LCD screen. The update starts automatically.
 - The Main Section and then the Loader Section are updated in the forced update operation. When the Loader Section data in the Memory Stick is the same as the ROM data, Loader Section update is skipped.
3. Confirm that the dialog box indicating completion of the forced update appears.
 4. Press [Exit] on the screen to restart the unit.

Updating the boot program

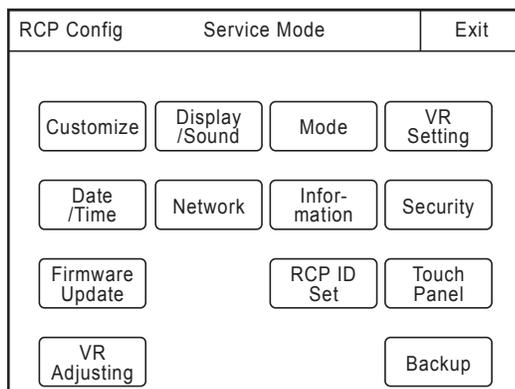
Notes

- For how to obtain the ROM data file, contact your local Sony Sales Office/Service Center.
- Do not turn off the power during firmware update. Doing so will disable the unit to restart.

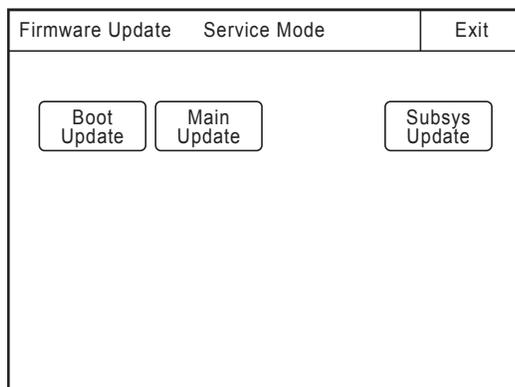
Equipment to be used

- ROM data file (for BOOT): RCP15XX_BOOT.ROM
- Memory Stick DUO

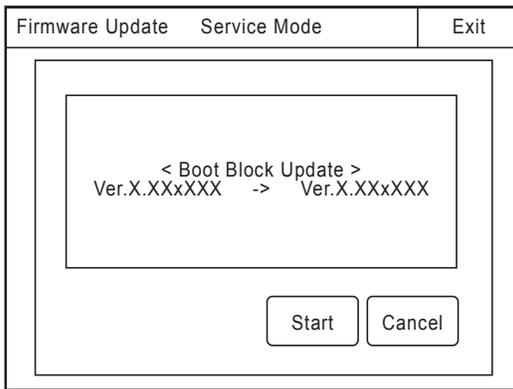
1. Create the following directory in the Memory Stick.
 \MSSONY\PRO\CAMERA\RCP15XX
2. Copy the ROM data file to the above folder in the Memory Stick.
3. Insert the Memory Stick into the Memory Stick slot of the unit.
4. Display the RCP Config menu in the service mode. (Refer to Section 1-6-1.)



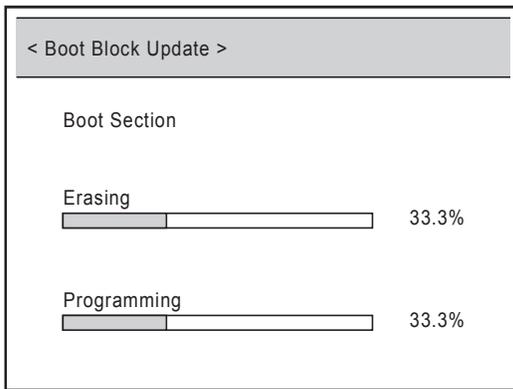
5. Press [Firmware Update] to display the Firmware Update menu.



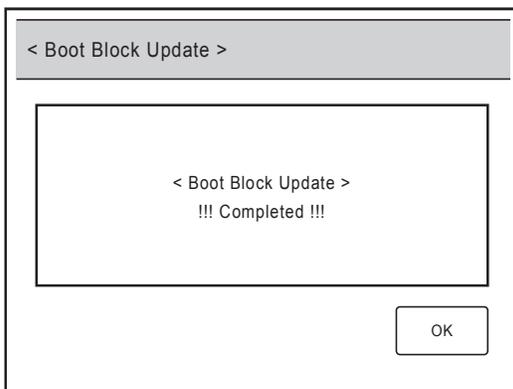
6. Press [Boot Update] to display the confirmation screen.



7. Press [Start] to update the boot program.



8. Confirm on the screen below that the update has been successfully completed.



9. Press [OK] to restart the unit.

Writing/rewriting internal data for the subsystem (SUB-CPU, PLD)

A SUB-CPU, PLD (Programmable Logic Device) is mounted in this unit, and it can be written and rewritten by update using a Memory Stick in the same way as the main CPU. Perform the following procedure.

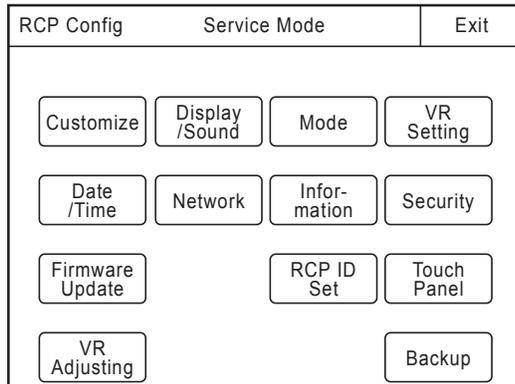
Notes

- For how to obtain the ROM data file, contact your local Sony Sales Office/Service Center.
- Do not turn off the power during firmware update. Doing so will disable the unit to restart.

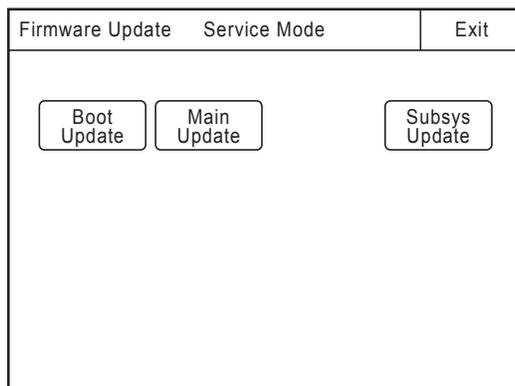
Equipment to be used

- ROM data file (for SUBSYS (SUB-CPU, PLD)): RCP15XX_SUB.ROM
- Memory Stick DUO

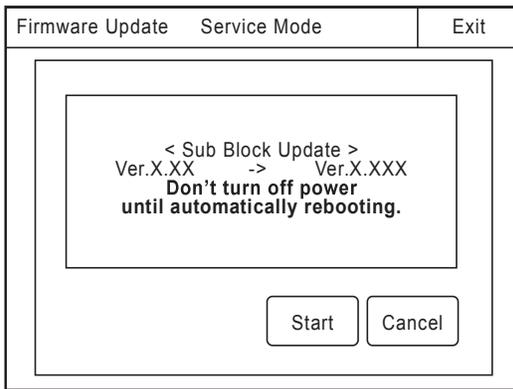
1. Create the following directory in the Memory Stick.
 \MSSONY\PRO\CAMERA\RCP15XX
2. Copy the ROM data file to the above folder in the Memory Stick.
3. Insert the Memory Stick into the Memory Stick slot of the unit.
4. Display the RCP Config menu in the service mode. (Refer to Section 1-6-1.)



5. Press [Firmware Update] to display the Firmware Update menu.



6. Press [Subsys Update] to display the confirmation screen.



7. Press [Start] to update the internal data.

Note

The illuminated switches, LEDs, and the LCD are turned off during Subsys Update, and the Memory Stick indicator displays the update progress. The indicator blinks green and red during update, and goes out upon completion of the update. After the internal data has been updated, this unit restarts automatically. Do not turn off the power until the unit has restarted.