

## CONSUMER PRODUCTS TECHNICAL BULLETIN

**Date:** February 29, 2012  
**Product:** 20-163 Mobile/Base Triple Trunking Scanner  
**Subject:** CPU Firmware Update Reworking Procedure  
**Target Date Code:** 08A11, 10A11, 11A11

### Firmware Version 1.09 Problem

In CPU Firmware Version 1.09 a problem has occurred that the Weather Radio broadcasts (WX band) cannot be received, so we update the CPU version to Firmware Version 1.10 as countermeasure to this problem.

**Note:** Data such as frequencies stored in the unit is never erased by updating firmware.

### Reworking Procedure for updating CPU Firmware (Version 1.10)

- 1 Units to be reworked: CPU Firmware Version 1.09 installed units
  - 1.1 Confirming CPU Firmware version  
Turn Power SW On to display "Multi-system Trunking Scanner RadioShack" on the LCD and press "3" Key.



- 1.2 Note: you can confirm the target date code as shown in the following photo.



## 2 Preparations:

USB/PC Interface Cable, Cat. No. 20-546

Update Software (CPUUpdater\_20-163\_164\_v1.10 for Boot Ver1.01.exe)

PC (OS: Windows XP/ Vista / 7)

## 3 Firmware Updating Procedure

Before updating the firmware:

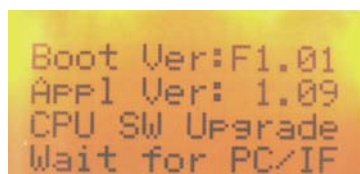
Install the USB driver for 20-546 in your PC.

Confirm USB Cable's COM port No.

For installing Driver and confirming COM port number, refer to 20-546 Users Guide.

### 3.1 Scanner's operations

- A) Turn Power SW On while holding down PROG Key and the following display appears.



- B) Connect the USB Cable's 3.5 mm Plug to the scanner's PC/IF Jack.



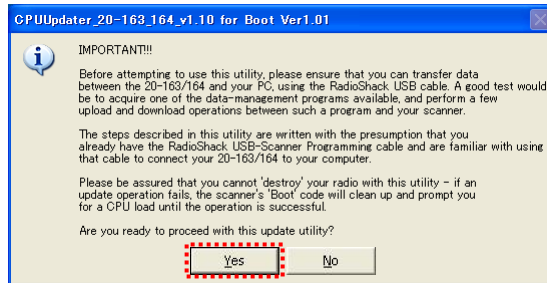
### 3.2 PC's operations

- A) Execute "CPUUpdater\_20-163\_164\_V1.10 for Boot Ver1.01.exe".

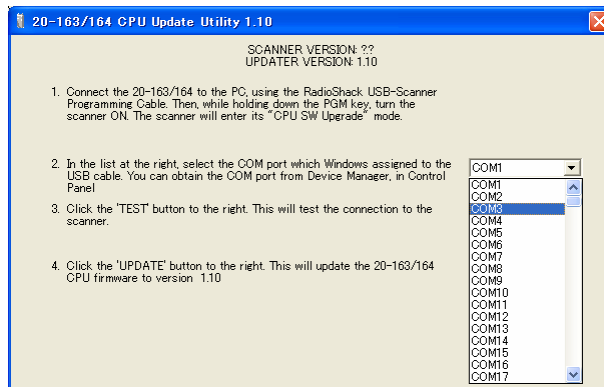


CPUUpdater\_2  
0-163\_164\_v1.  
10 for Boot  
Ver1.01.exe

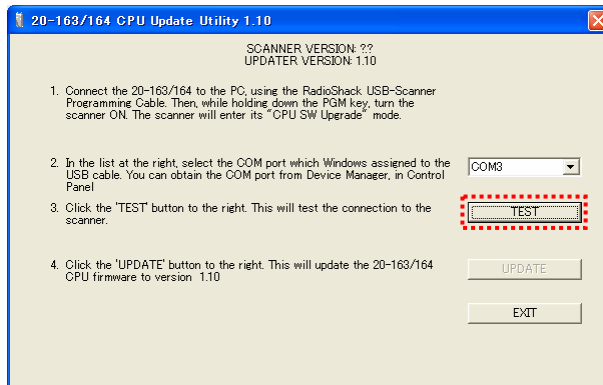
B) Click “YES” button.



C) Select COM port which is used by the USB cable (20-546).



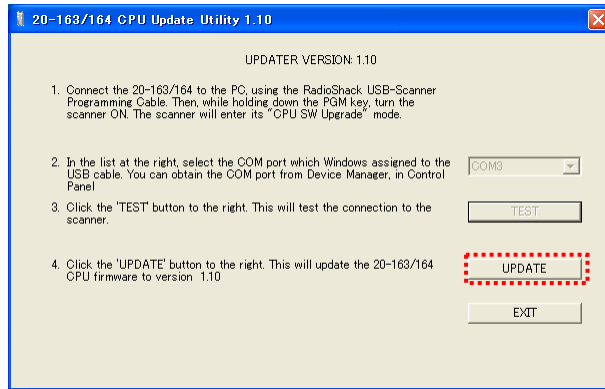
D) Click the “TEST” button.



E) Click the “OK” button.



F) Click the “UPDATE” button.



Then updating firmware starts indicating “UPGrading CPU” on the PC’s display.

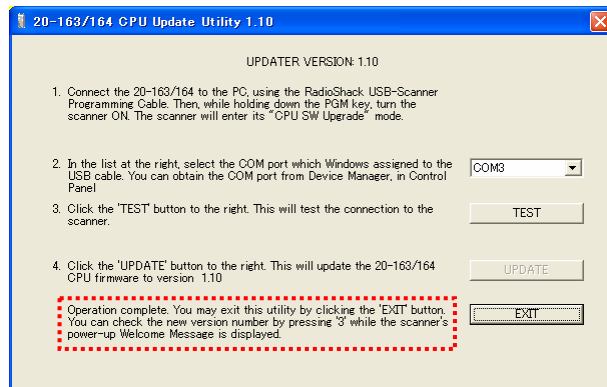
Note:

Never power off the unit before updating is completed.

Never disconnect PC cable before updating is completed.

G) When firmware updating is completed,

PC displays the following message indicated within the red box on the screen.



The scanner displays “CLONE MODE” on the LCD.

A close-up photograph of an orange LCD screen. The screen displays the following text in a red, pixelated font: "\*\* CLONE MODE \*\*", "Press UP to send", "Remove cable to", and "exit." on four separate lines.

### 3.3 Confirming the updated Firmware version

Disconnect the USB cable from the scanner and while “Multi-system Trunking Scanner RadioShack” is displayed on the LCD, press “3” Key to confirm “CPU Application Version 1.10” is displayed on the LCD.



**Note:**

If you wish to reconfirm CPU Application Version, Turn Power SW On to display “Multi-system Trunking Scanner RadioShack” on the LCD and press “3” Key.

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