

Freescale MC13234 Network Starter Kit

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Quick Start Guide

Install BeeKit wireless connectivity toolkit provided on the BeeKit CD.

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1323x Network Starter Kit

Hardware Setup and Demonstration

The 13234NSK boards are pre-programmed with the home entertainment control application (HECA) to provide a demonstration of the capabilities of the MC13234 IC.

Required Components



1x BeeKit CD



1x USB Cable



1x 1323x-RCM



1x 1323x-REM



2x AA Batteries

Visual Setup



1323x-REM



1323x-RCM

Using the Range Home Entertainment Control Application

Running Demo Application

1. Assemble the development boards by plugging the MRB into the header at the top of the REM and RCM boards. Plug the MRB labeled “Remote control” into the RCM and plug the boards labeled “Blackbox” into the REM boards.
2. Install batteries into the 1323x-RCM board.
3. Connect the 1323x-REM board to the PC using the USB cable supplied in the kit.
4. Power on the 1323x-REM board and follow the installation instructions as displayed in the Found New Hardware wizard on the PC. If the drivers do not automatically load, they can be found in the C:\Program Files\Freescale\Drivers directory. It may be necessary to load the drivers twice the first time the drivers are installed.
5. Power on the 1323x-RCM board. Press the reset button on the 1323x-MRB board. The LCD displays “No device.”
6. Launch the HECA program by clicking on Start>Programs>Freescale BeeKit>Home Entertainment Center>Home Entertainment Center Application.
7. Select the TV application from the home entertainment center GUI.
8. The HECA application automatically detects the COM port to which the local node (1323x-REM) is connected. If the application does not find the REM board, ensure the board is connected and powered on.
9. Initialize pairing between the two boards by clicking the Pair icon on the HECA application. Then press and hold SW18 (Pair) on the RCM board until “Searching device” is displayed on the LCD.
10. When pairing is complete, the HECA application shows “Pairing success” and the RCM displays “FSL TV is off.”
11. The RCM board is now ready to control the TV view.

Press SW16 to toggle the simulated TV on/off. The TV will show a sample video file to simulate a broadcast.

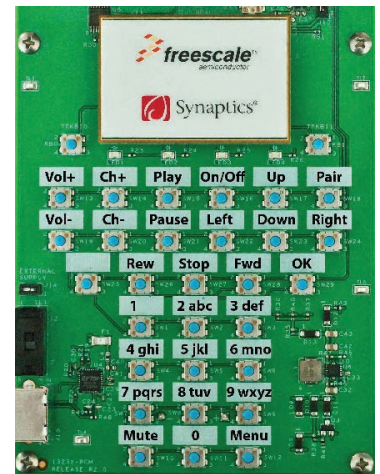
Press SW13 (Vol+) and SW19 (Vol-) to adjust the audio volume.

Press SW14 (CH+) and SW20 (CH-) to adjust the channel.

Note: The Synaptics touch pad recognizes the following gestures:

- Swipe right: Channel up
- Swipe left: Channel down
- Swipe up: Volume up
- Swipe down: Volume down

12. In the HECA application, click on the Find Remote icon (next to the OK icon) to sound a buzzer on the RCM board.
13. Refer to the HECA Quick Start Guide for more information on running HECA demonstrations.



Recommended Reading

Instructions on how to run BeeKit software are contained in the BeeKit Wireless Connectivity ToolKit Quick Start Guide (BKWCTKQSG) and the BeeKit Wireless Connectivity Toolkit User Guide (BKWCTKUG).

For more information, please visit freescale.com/mc1323x

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