

## **FM03M-KIT**

**Part No:MPFM-RFID-03M-Kit**



### **About**

FM03M-KIT is the newly developed evaluation kit for Free2move's multimedia Bluetooth modules. The evaluation board has extensive I/O functionality for both data and stereo audio streams. The evaluation board is primarily made to evaluate the Wireless Audio firmware but is also intended to be used for other firmwares and custom made applications. The evaluation board gives the possibility to upgrade the Bluetooth module with new firmware using FM's Flash utility.

### **Connectors**

HiFi stereo audio streams can be connected in many different ways; using the linear audio connector (line in, speaker and microphone with 3.5mm sockets) , SPDIF or connect the audio to an external codec using the PCM interface with the possibility to use many different digital audio protocols.

The FM03M-KIT has both RS232 and USB-interface for data communication. The USB-interface can either act as a direct connection to the module through HCI or it can be used as a virtual com port for computers without a physical com port. All digital and analog I/O:s can be accessed from pin headers on the evaluation board for external communication.

- 10 GPIO
- Analog audio interface (stereo)
- Line in, mic and speaker connector (3.5mm sockets)
- SPDIF-interface, input and output (coaxial)
- RS232 or USB-interface
- USB or externally powered (5V)
- Programming interface (parallell port)
- Pin headers for all digital and analog GPIO

## Contents

FM03M-KIT is shipped containing the following:

- FM02BM1 (Evaluation board)
- Stereo headset
- USB cable
- Serial cable
- Parallel cable
- CD (Manuals and software)

Quick getting started guide

