

# **Jim Lovell's**

## **Service Tools**

### **Emmibox SP**

#### **How to Manual**

Upgrade from Emaster 1.0

To use with Roemmi 2.0

And Winemmi 1.04

# **How to manual**

**For use with Roemmi 2.0 and Winemmi 1.04**

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### **1. Files**

- 1. This manual as PDF file**
- 2. Roemmi 2.0 software**
- 3. Winemmi 1.04 software**
- 4. Jimsemmi.bin binfile for I2C Eeprom**

### **2. What you need.**

- Soldering Iron, solder, screwdriver, wire, etc.**
- Sub D25 male and female connector, case etc.**

### **3. What you can make**

**The only different is a other connection to LPT Port.**

**You can change this inside the Box, but most boxes are protected.**

**You can change the connection inside the cable to PC, but some cable can not be opened.**

**You can make a simple adapter between PC and Box**

## 4. Change in Emmi

Locate connection to LPT Pins 4, 6 and 7, cut connection and move following:

The connection from Pin 4 move to Pin 7

The connection from Pin 6 move to Pin 4

The connection from Pin 7 move to Pin 6

Test Box with Roemmi 2.0 or Winemmi 1.04

If still doesn't work, you must change binfile !

## 5. Change cable

Open connector on one side from cable.

Resolder cables following

The cable from Pin 4 move to Pin 7

The cable from Pin 6 move to Pin 4

The cable from Pin 7 move to Pin 6

Close connector

Test Box with Roemmi 2.0 or Winemmi 1.04

If still doesn't work, you must change binfile !

## 6. Make an adapter.

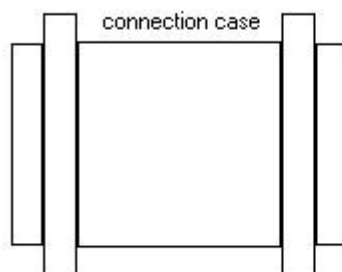
Order or buy following:

1	D Sub 25 female	Reichelt No. D-SUB BU 25	Conrad No. 741698
1	D Sub 25 male	Reichelt No. D-SUB ST 25	Conrad No. 741671
1	Connection case	Reichelt No. COM 938	Conrad No. 711756
1	Some wire	Look in your hobby box	

Sub D25 female

Sub D25 male

Connection table



Pin		Pin
2	<->	2
3	<->	3
4	<->	7
5	<->	5
6	<->	4
7	<->	6
8	<->	8
9	<->	9
11	<->	11
14	<->	14
17	<->	17
18-25	<->	18-25

Test Box with Roemmi 2.0 or Winemmi 1.04

If still doesn't work, you must change binfile !

## 7. Change binfile.

If the Box not work properly, you must change binfile.

Locate Eprom in Box ( 8 Pins, 24C04 I2C Eeprom )

Resolder or pull out Eprom

Program it with jimsemmi.bin ( Ponyprog is very good programmer [www.lancos.com](http://www.lancos.com) )

Solder or put Eprom back in Emmi

Some boxes are proteted, if you have access from backside to eprom, cut connections  
To eprom and connect SDA, SCL, 5V and GND to a new eprom 24C04.

## 8. Troubles.

Be for you change binfile, check this.

Test Roemmi 2.0 under plain DOS ( Make startdisk ) !

I tested Winemmi 1.04 only under Win 98 SE !

Test a other PC

Make shure, you have the same situation, if you have use Emaster 1.0/Jimsemmi

I think, not all boxes can be changed.

Roemmi 2.0 / Winemmi 1.04 still doesn't unlock xx.13.xx software,  
you get "tamper alert", but now you can use the motokey system

Motokey are avail from Spear [www.gsmhacking.com](http://www.gsmhacking.com)

## 9. Tested with !

My Emmi SP Version 1.2a, 1.3 and 1.4  
Emmibox from Extel.

Report your succses with picture to me.

Contact [jimlovell@hotmail.com](mailto:jimlovell@hotmail.com)