

BM42D7611-1

BM42D7631-1

BM42D7632-1

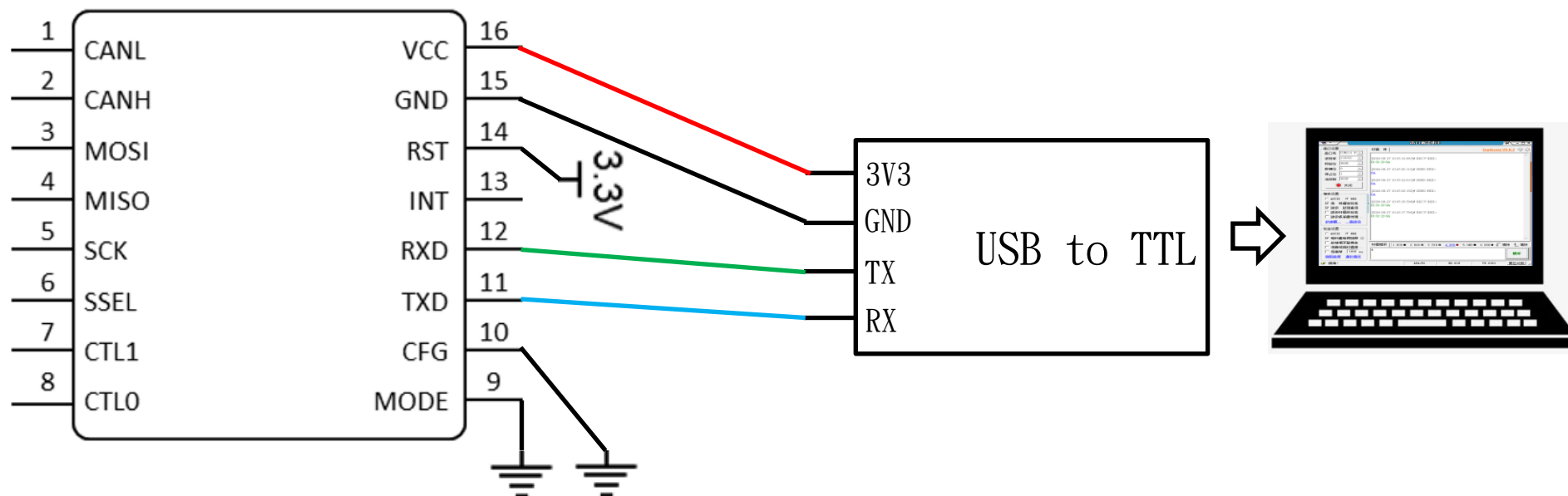
CAN demo

制 作 人：曾德彬

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1. 配置工作参数

采用以下连线，重新上电进入配置模式。收发都采用如下连线进行配置。
并且收发配置的参数中CAN的速率要相同（5K~1M）

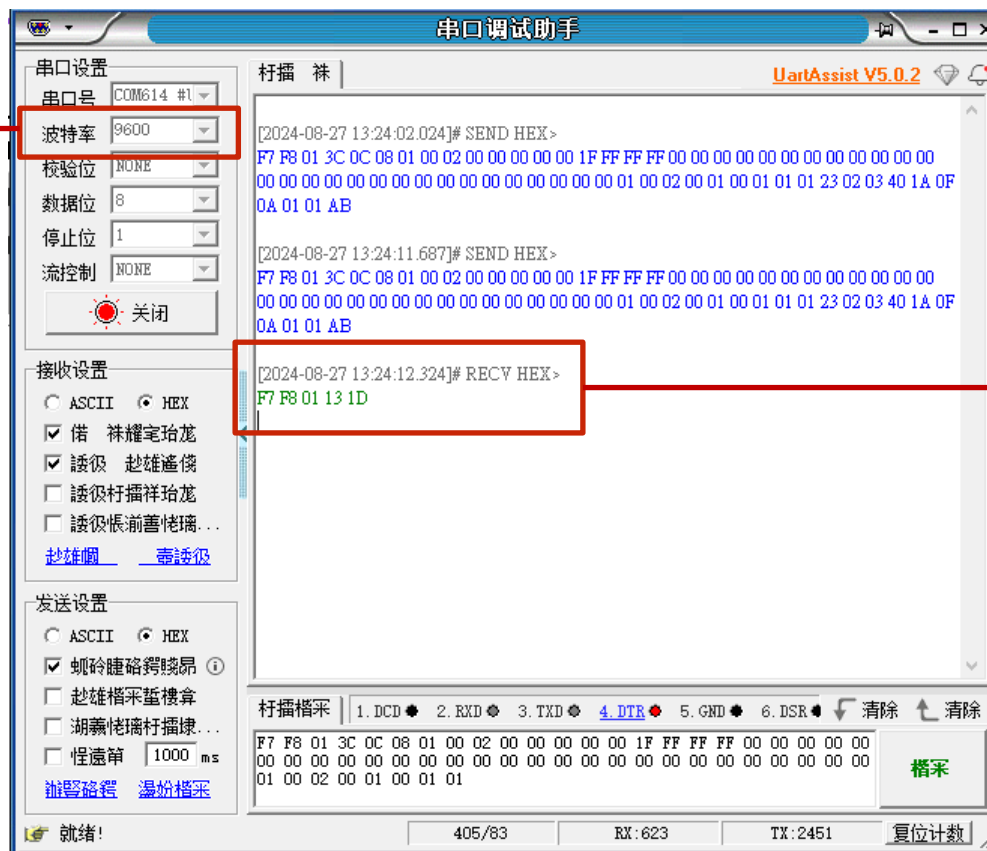


1. 配置工作参数

根据手册配置参数章节发送配置参数，例如配置透传，无滤波，标准帧，发送ID和帧信息，UART 波特率 128000，CAN 10k，pass。发送如下参数：

```
F7 F8 01 3C 0C 08 01 00 02 00 00 00 00 00 00 1F FF FF FF 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 02 00 01 00 01 01
01 23 02 03 40 1A 0F 0A 01 01 AB
```

配置模式波特率固定9600



回传F7 F8 01 13 1D
则表示配置成功

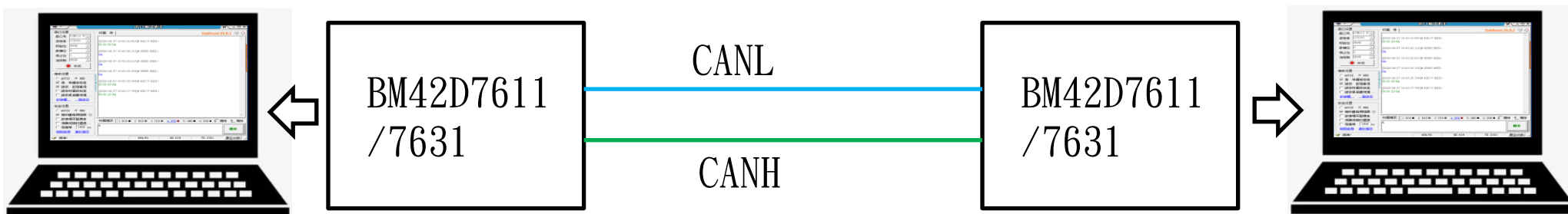
注：配置一次后会
自动保存，断电不丢
失，无需重复配置



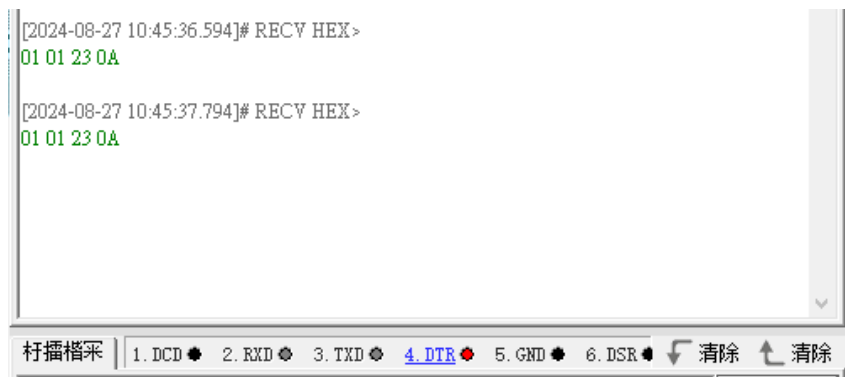
收发端都采用如上接线，就可以实现收发互相通信

2. CAN收发DEMO

收发间2根线CANL和CANH相连。带有屏蔽的金属外层可接入GND



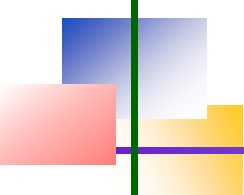
Demo中，左边发送0x0A。右边接收到01 01 23 0A，其中01表示1个字节数据，01 23为发送端的ID，0A为数据。



2. CAN收发DEMO

上位机收发界面，设定写配置参数设置的波特率，采用HEX格式收发





3. 配置参数示例

注：BM42D7611-1支持125K max & BM42D7631/32支持1M max

透传，无滤波，标准帧，发送ID和帧信息，UART 波特率 128000，CAN 125k，pass

```
F7 F8 01 3C 0C 08 01 00 08 00 00 00 00 00 00 1F FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 02 00 01 00 01 01 01 23 02 03 40 1A  
0F 0A 01 01 A1
```

透传，无滤波，标准帧，发送ID和帧信息，UART 波特率 128000，CAN 50k，pass

```
F7 F8 01 3C 0C 08 01 00 05 00 00 00 00 00 00 1F FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 02 00 01 00 01 01 01 23 02 03 40 1A  
0F 0A 01 01 AC
```

透传，无滤波，标准帧，发送ID和帧信息，UART 波特率 128000，CAN 10k，passF

```
7 F8 01 3C 0C 08 01 00 02 00 00 00 00 00 1F FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 02 00 01 00 01 01 01 23 02 03 40 1A 0F  
0A 01 01 AB
```

透传，无滤波，标准帧，发送ID和帧信息，UART 波特率 128000，CAN 5k，pass

```
F7 F8 01 3C 0C 08 01 00 01 00 00 00 00 00 00 1F FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 02 00 01 00 01 01 01 23 02 03 40 1A  
0F 0A 01 01 A8
```

带ID透传，ID起始位置0，无滤波，标准帧，ID 2Byte，UART 波特率 128000，CAN 125k，

```
passF7 F8 01 3C 0C 08 01 00 08 00 00 00 00 00 1F FF FF FF 00 00 00 00 00 00 00 00 00 00
```

00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 02 00 02 00 01 00 01 01 01 28 02 00 40

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