

IBD V2

05-26-2011

## 1. Introduction

The IBD cable allows connecting the C4-D to the Dreevo Lite and power it up from an automotive power supply. It can also be used to connect the C4-D, C4-Evo, Dreevo3 and Dreevo Lite console via RS232.

## 2. Prepare the IBD cable

The IBD cable is provided in 2 parts plus 3 cable ties. First you have to connect the 2 parts (A) then use 3 cable ties to firmly tie them together (B).

### Note:

If the ties are not properly tightened, the connection can be loose and the IBD cable not properly working.



### 3. Description



- 1- Mini USB (right angle) connector. To be connected to the device.
- 2- RS232 connector. To be connected to the C4-D black DB9 or a computer.
- 3- Ignition wire (grey color).
- 4- Ground wire (black color). To be connected to the power supply ground.
- 5- Power wire (red color). To be connected to the power supply positive (+Vbat).
- 6- Shutdown wire (yellow color).

Ignition and Shutdown signals are used to control when the Dreevo Lite is powered from the automotive power supply or running on its own battery.

#### Notes:

The Dreevo Lite red LED is ON when the external power supply is used.

For development purposes, DB9 connector can be used with COM 1.

Ignition wire must be connected to access the Dreevo Lite internal console.

A DB9 female-female null modem adapter is required to access the Dreevo Lite console.