Cruiser Suite TestPoint Box (UC-20)
User's Guide

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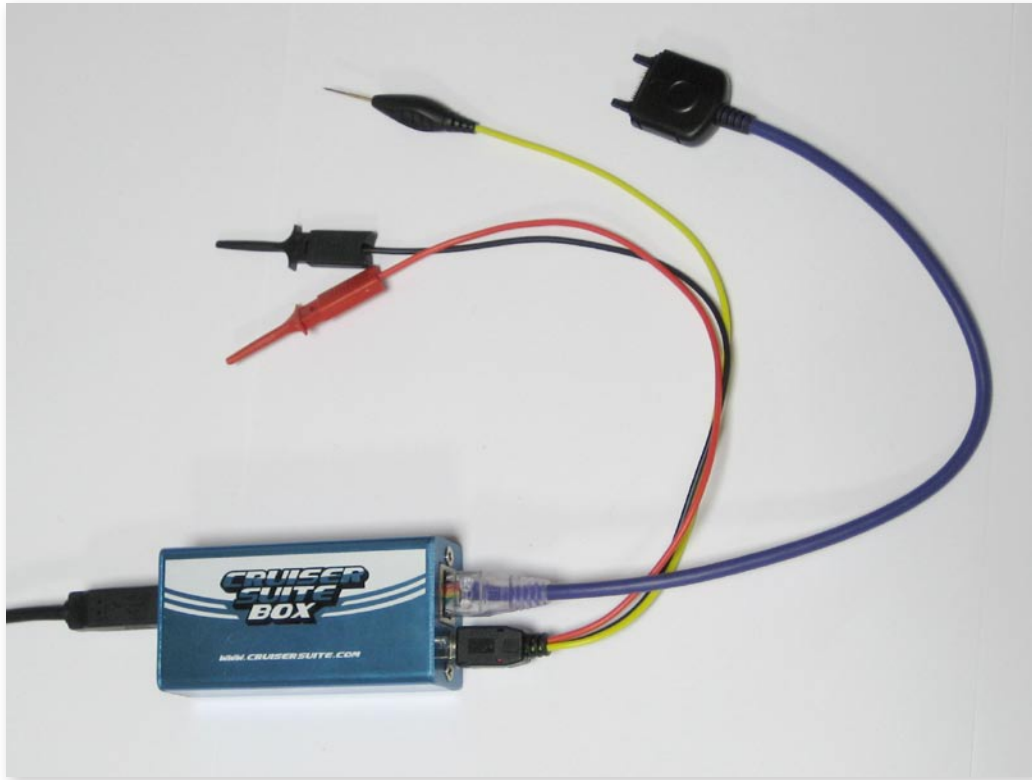
# Introduction

Cruiser Suite SE TestPoint Box consists of:

- the box body (with 3 female connectors)
- USB cable (type A -> type B)
- data cable (8pin RJ-45 -> SonyEricsson data conector)
- TestPoint cabling, contains three (optionally only two) wires:
    - power supply clip "PLUS" (always RED)
    - power supply clip "GROUND" (optional)
    - TestPoint needle
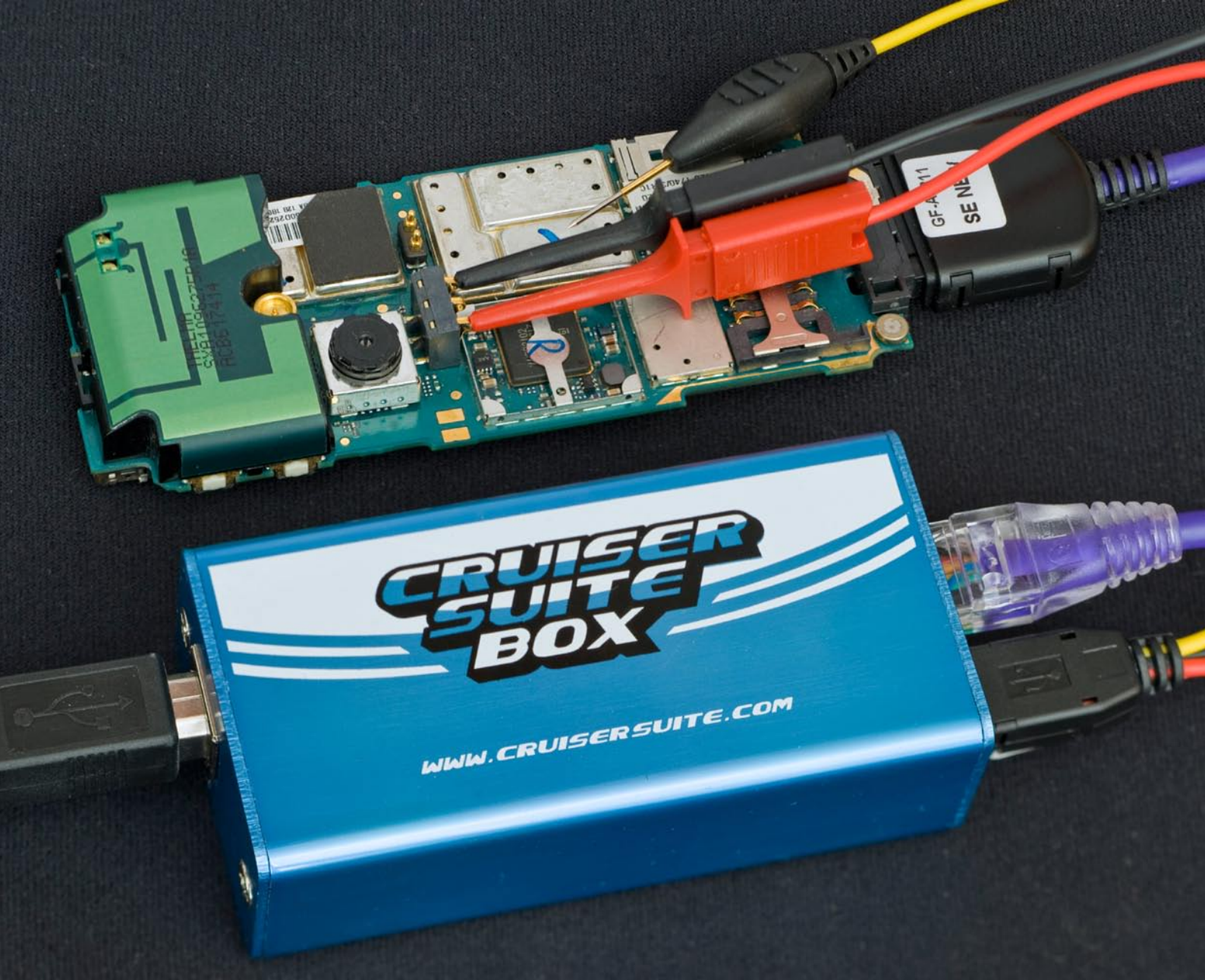
Connecting the TestPoint Box

We recommend to keep the following the procedure, almost for novices:

1. Disconnect the UC-20 cable from the USB

2. Connect data-cable and testpoint cable to the UC-20 box

3. Connect power supply clips to the phone battery pins
(see chapter: Connecting the power supply)

4. Connect data-cable to the phone

5. Check to polarity according to the original battery placement
(see chapter: Connecting the power supply)

6. Connect the USB cable to the UC-20 box
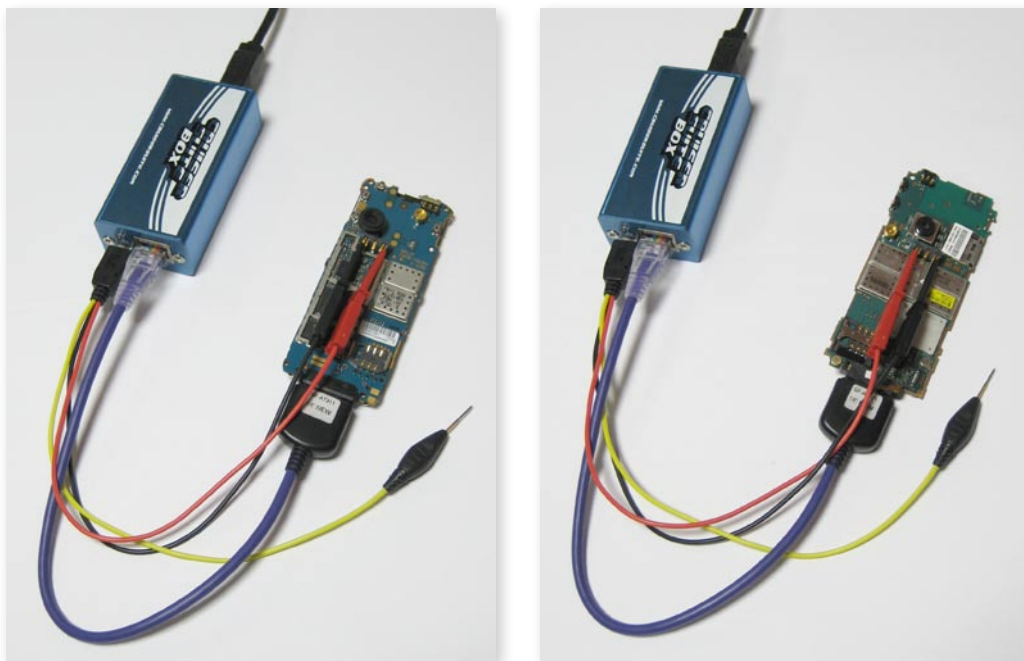
Connecting the power supply

Very important is not to reverse the power supply polarity.
Some phones do have the plus and minus battery pins interchanged, i.e. they are on the opposite side as the most of phones.

Reversing the polarity will most probably cause a physical damage to either the phone or the UC20 cable. So please take higher care when connecting the power supply clips and we strongly recommend to compare the clips setup to the original battery placement, before connecting the UC20 second side to the computer's USB.
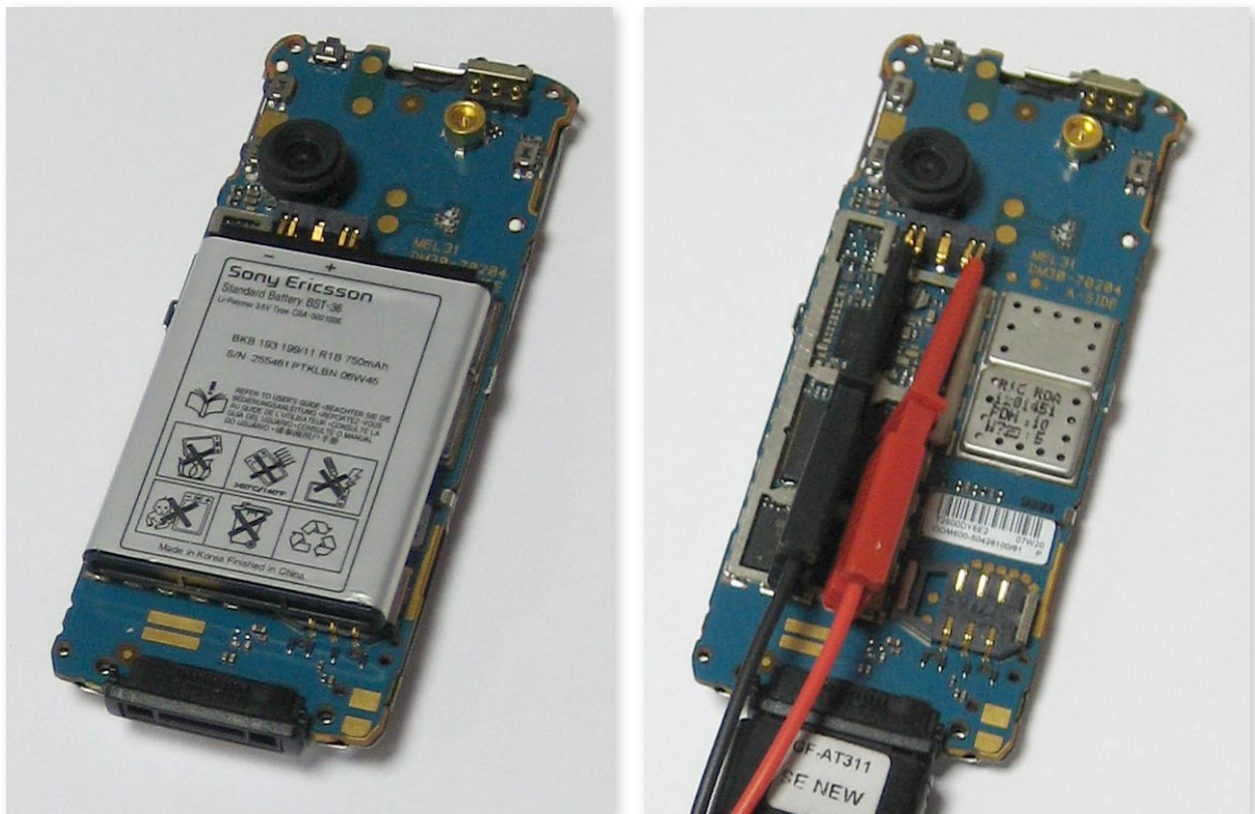
Illustration - Confronting the power supply polarity

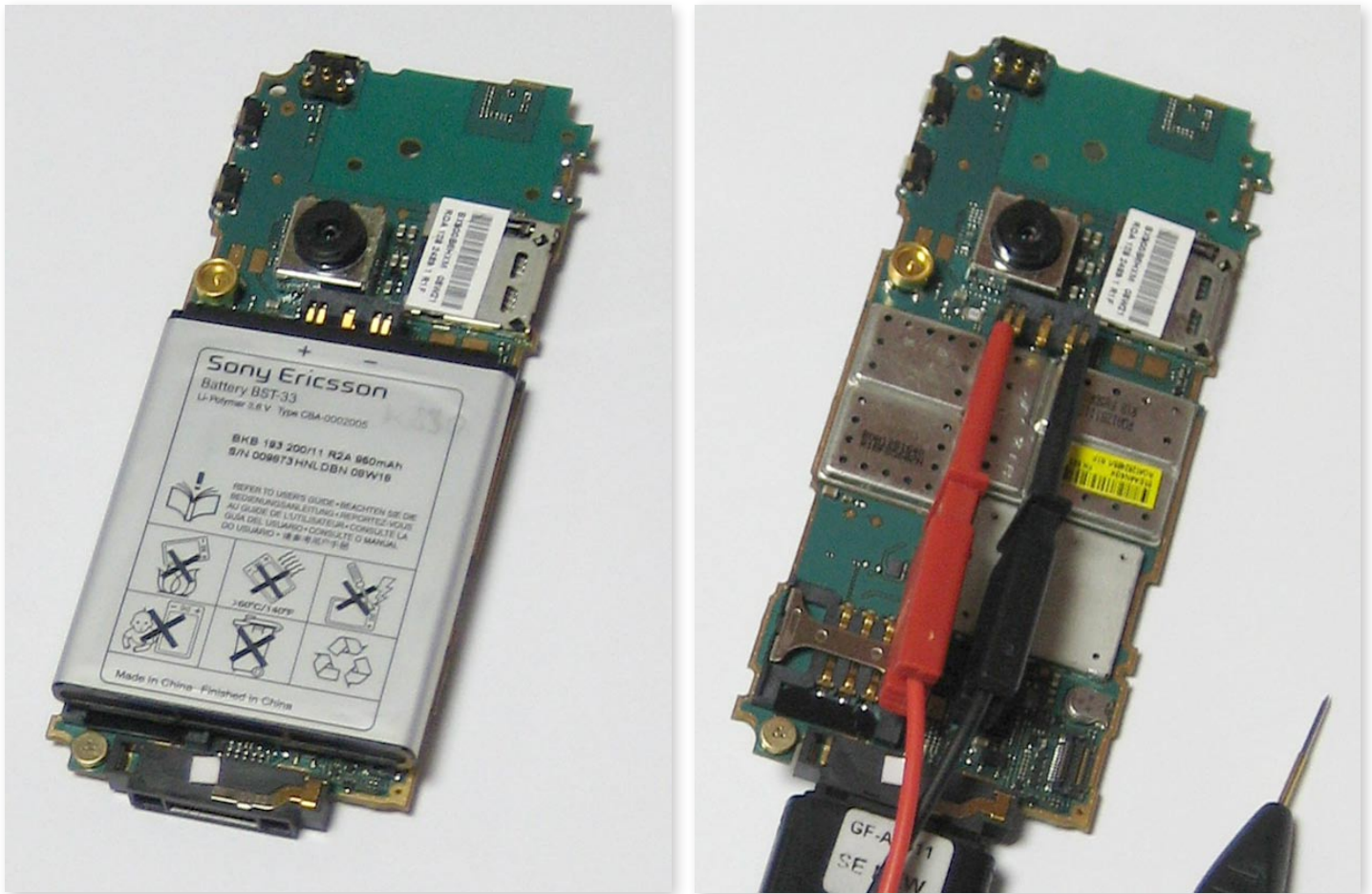*Fig.: Common polarity configuration - DB2012 and lot of DB2020*

Fig.: Reversed polarity configuration - some DB2020, typical for PDA

Using the TestPoint Box

If you want to use the UC-20 cable as a regular serial data cable, now you can continue the desired procedure using the appropriate software

If you want to use the UC-20 cable for TestPoint-ing, then:

- Prepare the phone at first:
  - disassemble the phone covering
  - find the target chip for TestPoint-ing
  - find and prepare the appropriate TestPoint pin(s) according to the specific software documentation
- Prepare the UC-20 cablings (as described in chapter "Using the TestPoint Box")
- Continue with the desired procedure according to the particular software documentation

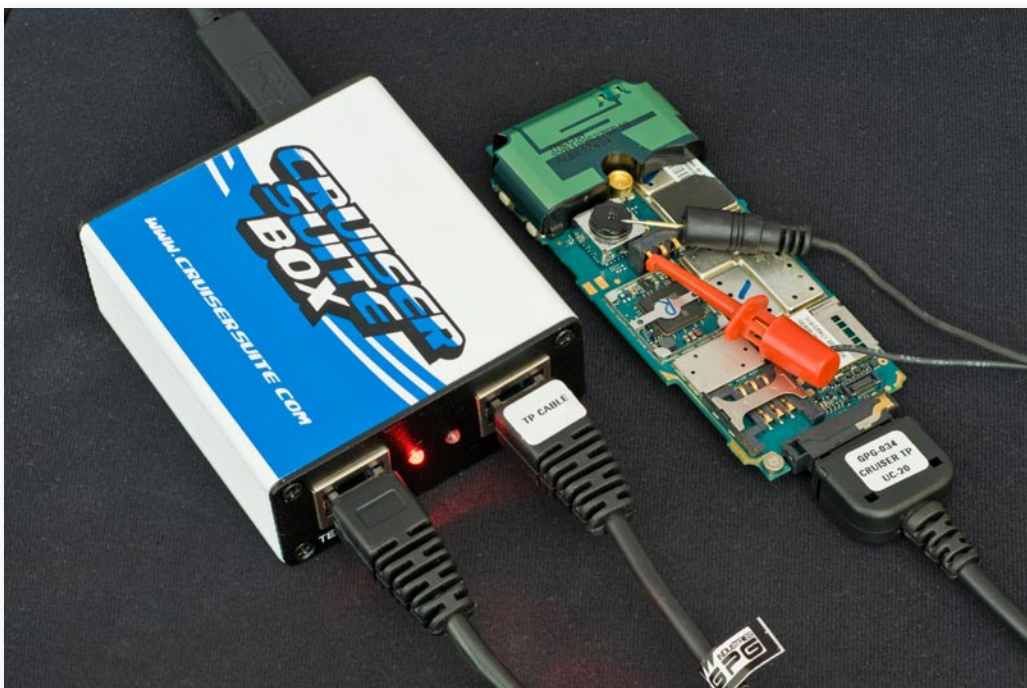We recommend to use a binocular microscope for either preparation and testpoint connecting.
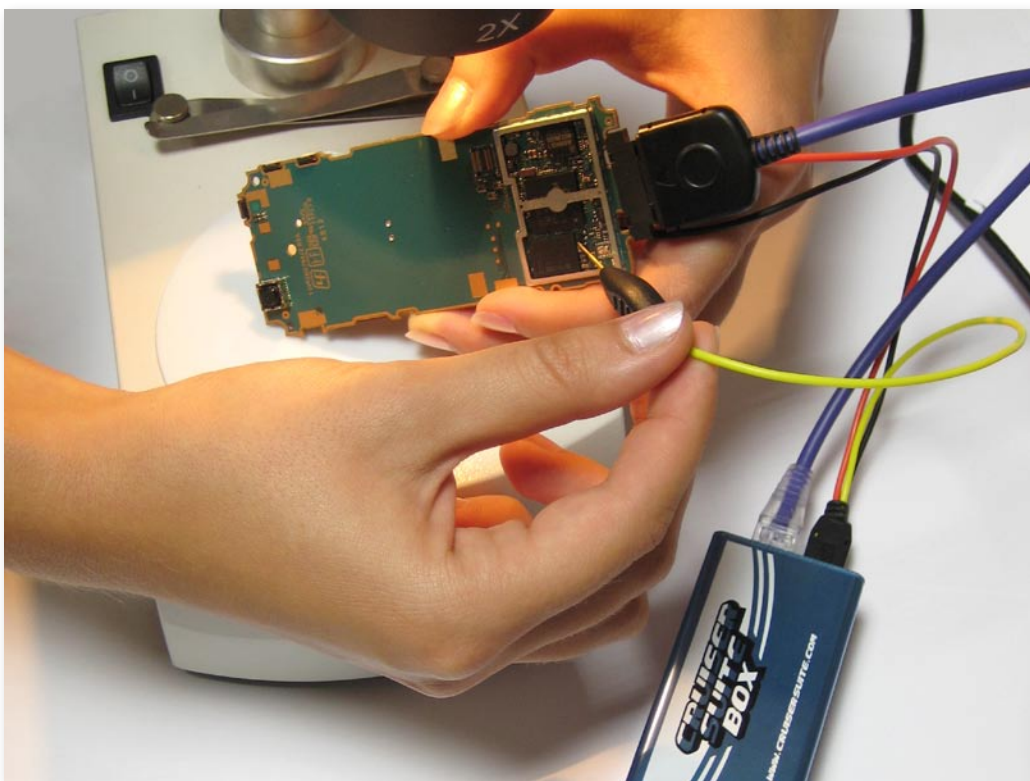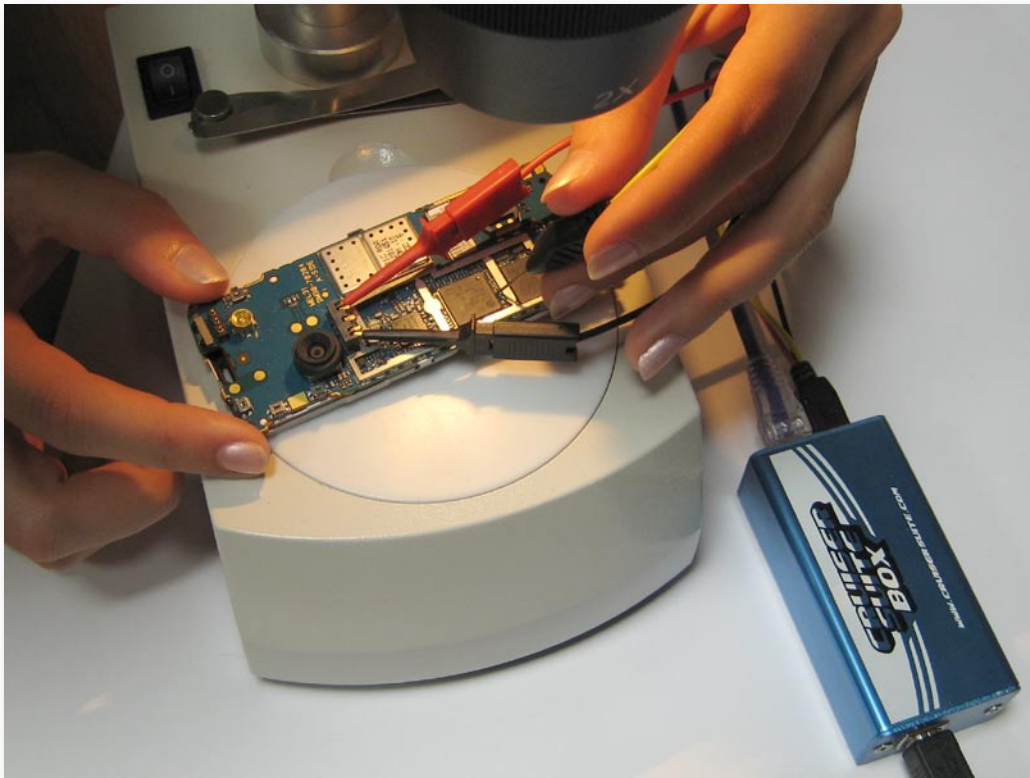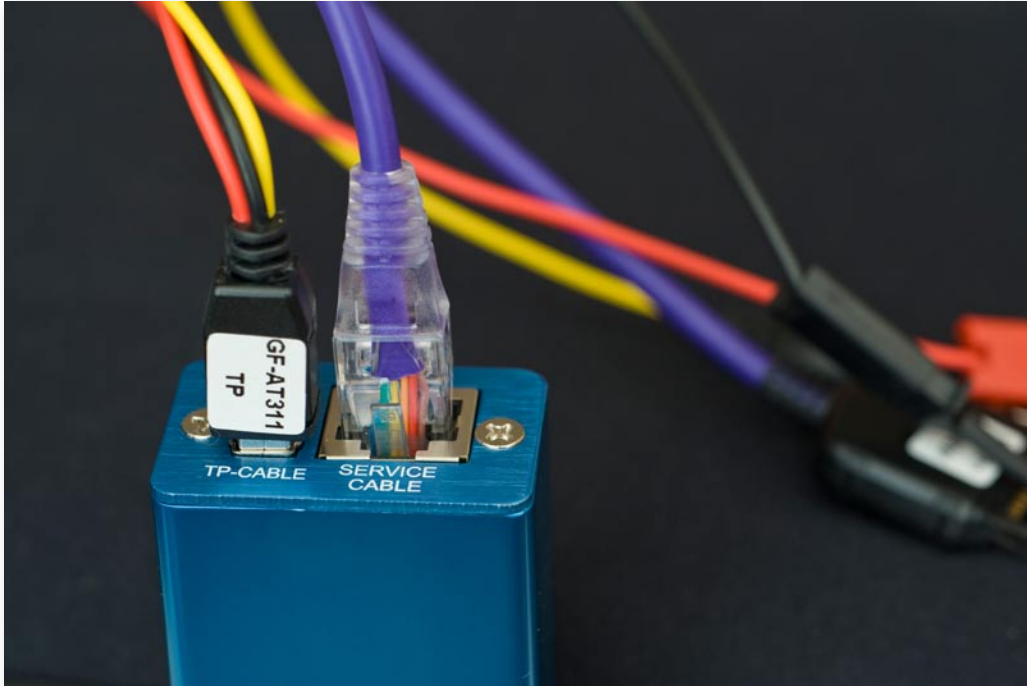
Appendix - TestPoint Box variants
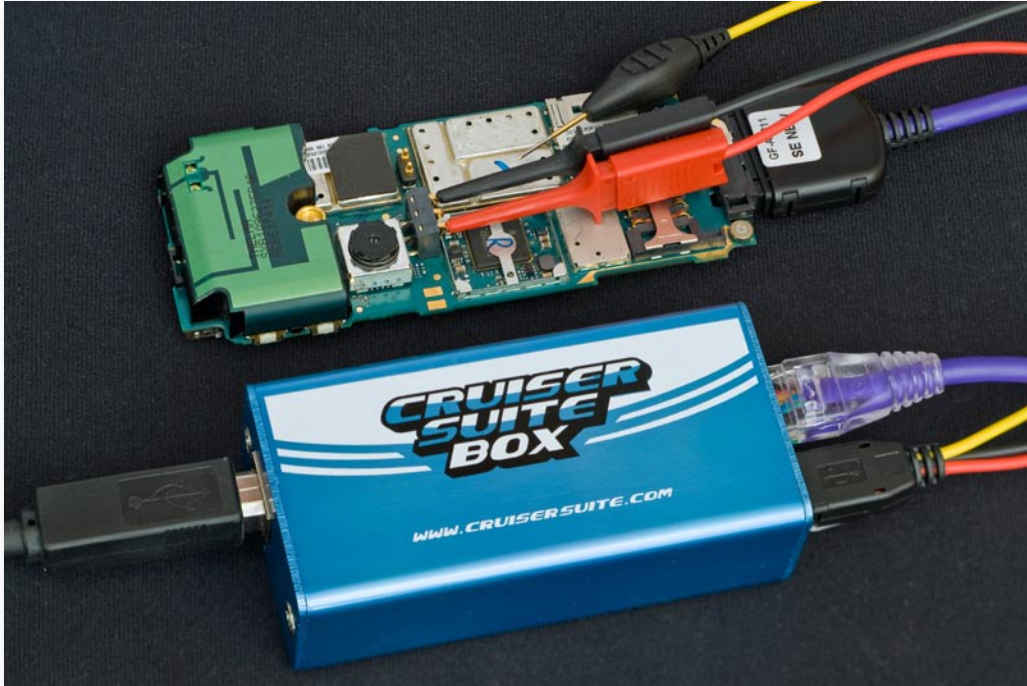
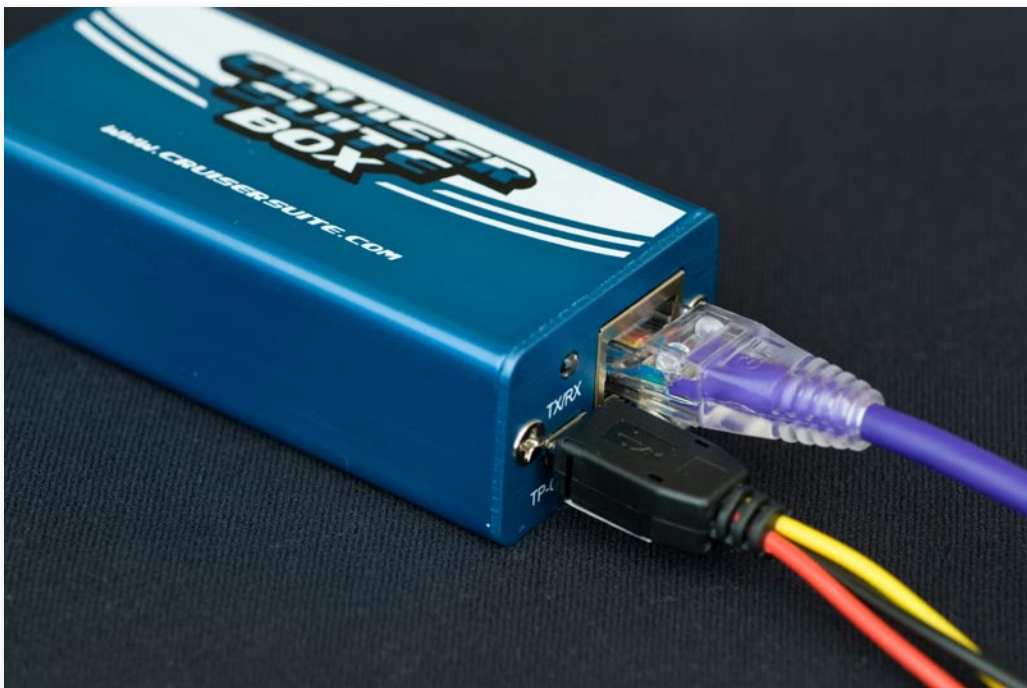Fig.: TestPoint Box variant with the power supply ground clip

Fig.: TestPoint Box variant without the power supply ground clip

Appendix - TestPoint Box connector setup

Fig.: TestPoint Box connector setup

Fig.: TestPoint Box connector setup