

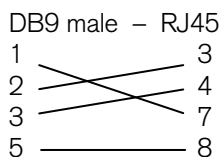
## -100 Series Transmodulators - Firmware upgrade

### Firmware upgrade from Field strength meter

#### - Necessary material:

- Field strength meter MDX 500 with version v.5.116 or higher, MDX 600 with version v. 1.96 or higher, or MDL X00 with version v. 1.76 or higher;
- Programming cable RS232 male – RJ45.

Pin connections:



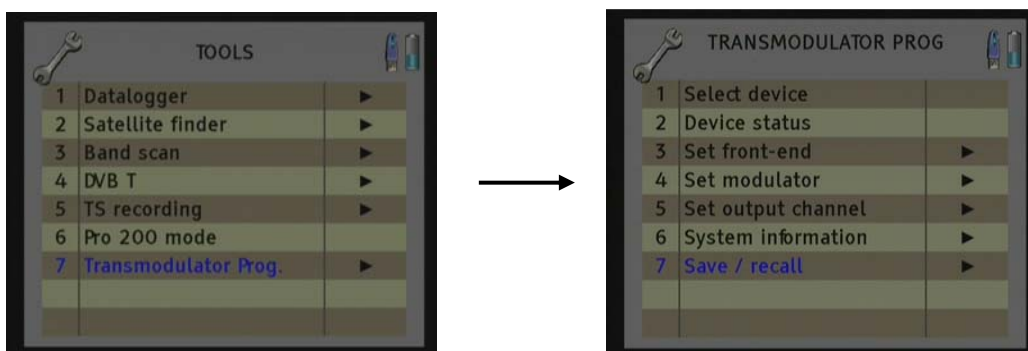
- USB 2.0 memory stick;
- Last firmware version for module;

#### - Previous steps:

- Download last firmware version available for your module. You can find at: <http://www.ankaro.com>
- From this website, you will reach a ZIP compressed file which must be decompressed in the root folder of the USB Memory device.
- Insert USB 2.0 memory stick into the field strength meter.
- The module has two ethernet connectors. In order to make the upgrading of the module you have to connect the corresponding field strength meter to HPR 100 connector.

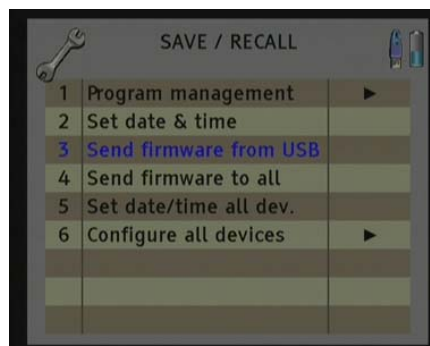
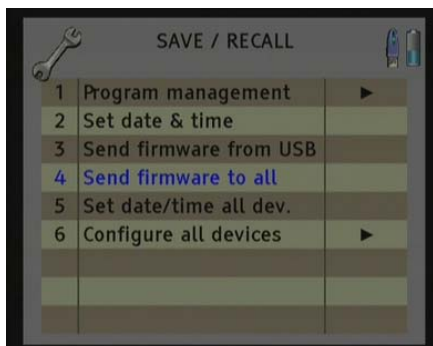
#### - Upgrading:

1. In order to start upgrading the transmodulator, you will have to go to "Tools" option through the key 8 of your field strength meter and to select the "Transmodulator Prog." "Save/Recall" option.

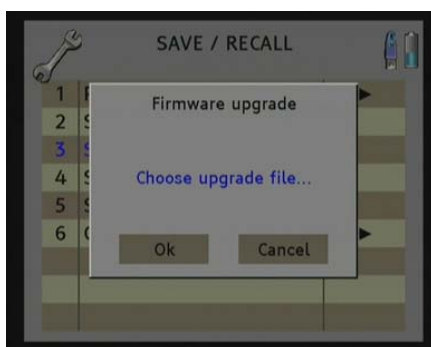


2. Select one of the following two options:

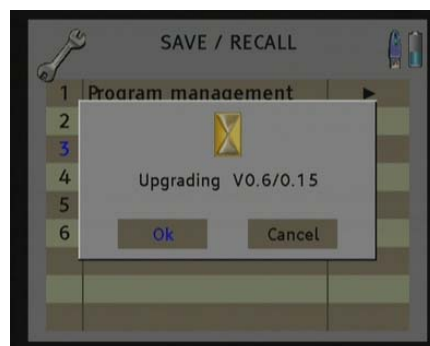
- Send Firmware from USB: It allows carrying out the firmware update from the USB device.
- Send firmware to all: It allows carrying out the update of all the modules that are interconnected at the same time.



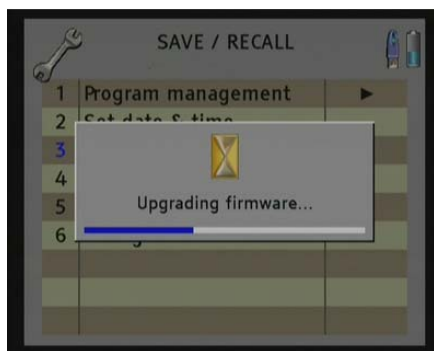
3. Once selected the option "Send Firmware from USB" or "Send firmware to all", a dialog box is displayed with the text "Firmware Upgrade" and in blue colour the text "Choose upgrade file". Push the rotating key or the *enter* key to select the **.BIN** file



4. Once selected, please push *enter* and turn the rotating key to right to select "Yes" and confirm. A dialog box will appear in order to confirm the upgrading. Push "Yes".



5. Next screen will appear. Once the upgrading has finished, the module will automatically re-boot.



## Firmware upgrade from programmer

### - Necessary material:

- HPR 100 with 1.8.13 version or subsequent;
- SD card in FAT 16;
- Last firmware version for module;

### - Previous steps:

- Download last firmware version available for your module. You can find at: <http://www.ankaro.com>
- Unzip the file downloaded from the web site.

### - Upgrading:

1. Before introducing the SD card in the HPR 100, it is necessary to introduce the updating **.UPG** files in the *Programs* folder of the SD card, and then to connect the HPR 100 with the SD card already inside.

2. Once started, select *Config* from the main menu.

```

HSCT 100

Manual      <Config >
Auto
  
```

3. Move to *Update FW* or *Global Update* option with the cursors ▲▼.

- Update FW: It allows carrying out the firmware update from the USB device.

- Global Update: It allows carrying out the update of all the modules that are interconnected at the same time.

```

HSCT 100
Factory default
>Update FW
Date / Hour
  
```

4. Then it starts the downloading and subsequent saving of the software in the module:

```

HSCT 100
B:0039260 T:0090795
APP:                000
Please wait
  
```

```

HSCT 100
B:0090795 T:0090795
Writing:            000
Please wait
  
```

5. The process ends after showing the following message:

```
HSCT 100  
operation finish
```