

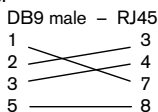
## -100 Series Transmodulators - Firmware upgrade

### 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:



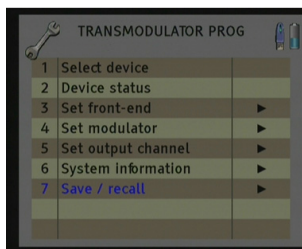
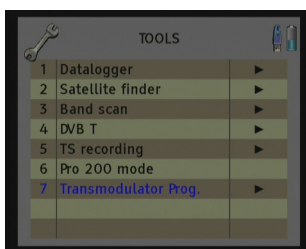
- USB 2.0 memory stick;
- Last firmware version for module;

#### - 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.

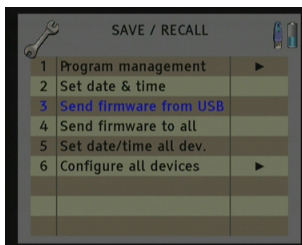
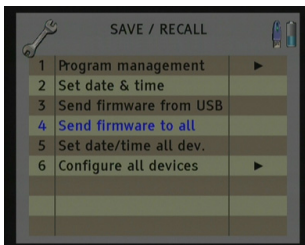
#### - Upgrading:

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.

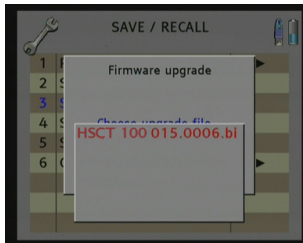


2. Select one of the following two options:

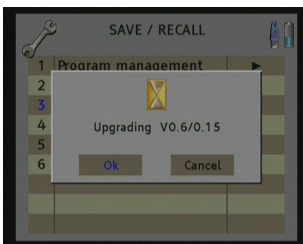
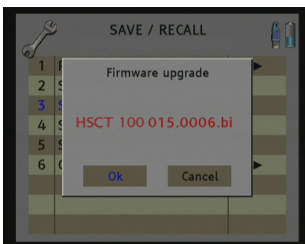
- Send Firmware from USB: It allows carrying out the firmware update from the USB device.
- Send firmware to all: It allows carrying out the update of all the modules that are interconnected at the same time.



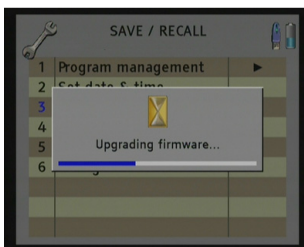
3. Once selected the option "Send Firmware from USB" or "Send firmware to all", a dialog box is displayed with the text "Firmware upgrade" and in blue colour the text "Choose upgrade file". Push the rotating key or the enter key to select the .BIN file



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
```