



Software Updating from Receiver to Receiver

1. Connect the main receiver and the slave one through a cable RS-232C (DB9-DB9 female)
2. Turn ON the main receiver. (The one that has the main software).
3. After turning the main receiver ON, switch ON the slave one.(The one with the old software).
4. When updating is started, in front panels will appear figures of 4 digits that will decrease up to 0000. Once updating is finished, main receiver will show <End> and the slave will show <Wait>.
5. Wait until <Wait> disappear from the front panel, disconnect the cable RS-232C and turn OFF/ON slave receiver. Make a Reset in <Default Values> of <Transponder Menu> and turn OFF/ON the receiver again. Software is already updated to the new version.

 **!!! ATTENTION!!!** To update the software from Receiver to Receiver and receiver's Data Base, you will need a cable FULL-DUPLEX with following configuration:
PIN1 - PIN7, PIN2 - PIN3, PIN3 - PIN2, PIN4 - PIN6, PIN5 - PIN5, PIN6 - PIN4, PIN7 - PIN1, PIN8 - PIN1

All versions previous to V3.2, can only be updated by the PC.

Updating from PC to Receiver

 ATTENTION!!! When a receiver is updated to a new version, all stored channels will be deleted. For this reason, it is necessary that once new software is loaded, you re-tune all channels again.

▪ **Necessary Material:**

To update the software of the receivers is necessary:

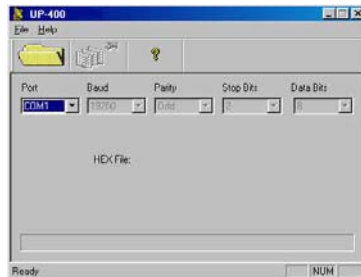
1. Updating program and updating file (filename.HEX)
2. A PC computer with a free series port (COM 1 or COM 2). With WINDOWS 95/98/NT.
3. A series cable DIN connectors of 9 pins (female-female), PIN to PIN. PIN1 - PIN1, PIN2 - PIN2, PIN3 - PIN3 PIN8 - PIN8.
4. The receiver that is going to be updated.

Steps to follow:

▪ **To make the programm ready**

Connect the series cable to computer and the receiver.

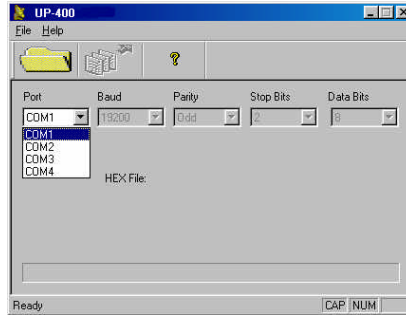
Execute the program UP-400, double clicking on the icon



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Software Update IRD 400

Select communications port that is going to be used. For example, if we select the port COM1:



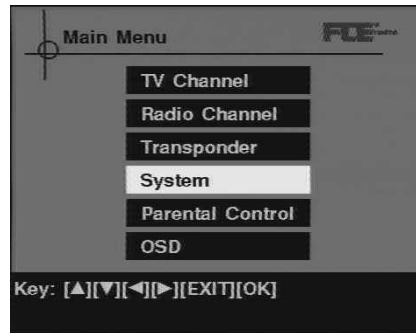
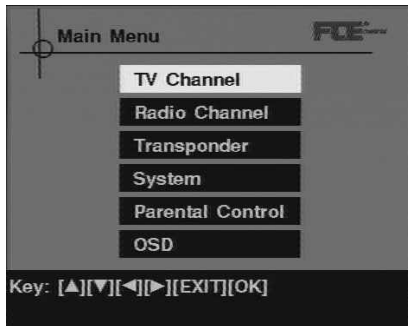
Rest of parameters are desactivated as they are the ones used by the programm by default for a correct communication with the receiver.

Choose updating file (with name.HEX), selecting <Open> button from button bar.

▪ **Prepare the IRD to update the software:**

Turn ON the receiver.

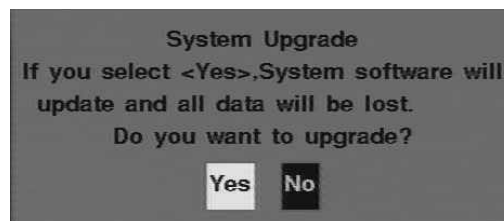
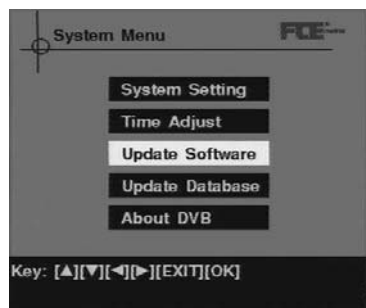
From Main Menu select the option SYSTEM.



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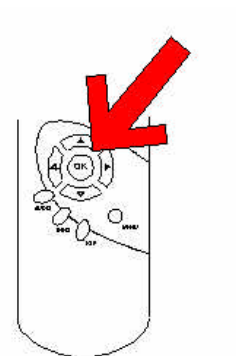
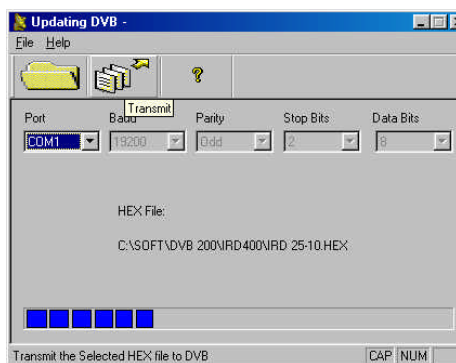
Software Update IRD 400

From System choose UPDATE IRD and select the option **YES**, WITHOUT PRESSING (OK) KEY IN THE REMOTE CONTROL.



IR D Updating:

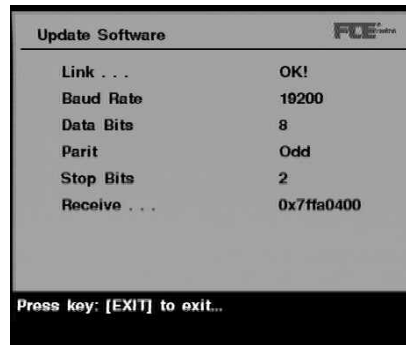
From the programm UP-400, select buttons bar, Transmit. Then, at half loading process (see process bar), press OK button in the remote control, pointing to IRD 400.



If steps have been correctly followed, updating will start.

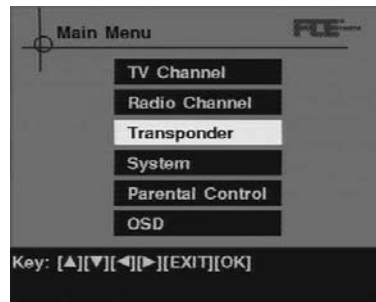
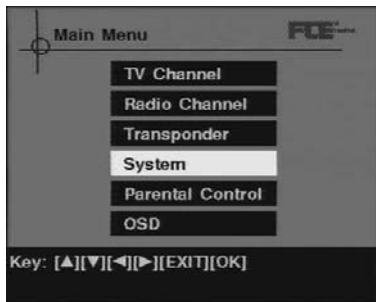
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Software Update IRD

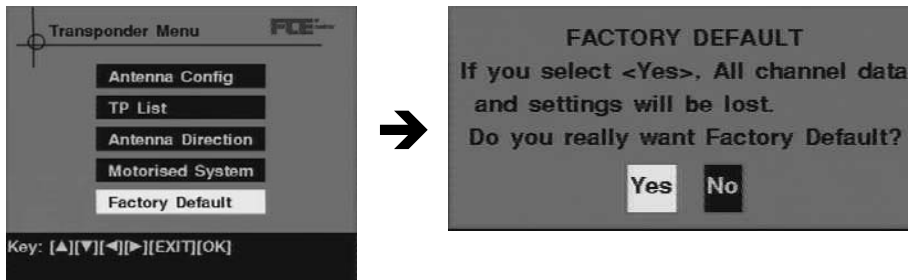


⚠ ATTENTION!!! Once loading process is finished, do not touch the receiver meanwhile the message "Finishing loading process, Wait..." is shown, because this will damage receiver's memory irreversibly.

When the message "Press any key to return..." appears, we press EXIT key and select the option TRANSPONDERS.



Re-start applying a Reset to the receiver, DEFAULT VALUES. At last, turn the receiver OFF and ON.



RECEIVER IS ALREADY UPDATED TO THE NEW VERSION. Remember to re-tune the channels deleted in updating process.

Data Base Updating

Select <Data Base updating> in <System Menu> using ▲▼, and pressing OK following screen will appear...

Master DVB is ready, Please turn on the slave IRD

Then turn on the slave IRD to start updating. Few seconds later, satellite data, transponder, TV channel and radio will be transmitted. Once updating is finished, front panels will show <End>. After some seconds, slave receiver will show on its front panel the maximum number of transmitted channels. Turn the receiver OFF and ON.

⚠!!!ATTENTION!!! For Data Base updating you will need a cable FULL-DUPLEX. See the section Software updating from Receiver to Receiver in page 31.