Software upgrade procedure by RS232

For models: Opticum X80 Opticum X80 RF Opticum X80 HDMI

1. Connect receiver to PC by RS232 null modem cable



- 2. Connect Power cord of receiver to power source,
- 3. Turn on receiver by red button on Remote control,
- 4. Run tool Upgrade.exe, set option "Operate Mode:" to "Upgrade",
- 5. Press "Connect" button

Port COM1	Bits Rate	115200 💌
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Operate Mode:	Ipgrade	
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- 6. After short time (few seconds) receiver will connect to STB,
- 7. From displayed upgrade options choose *"All Chunk"* by double clicking on it.

Upgrade Tool Version:2.0.0c. 2008-	01-25 Protocol version: 3.1 Operate: Upgrade All Chunk All Chunk(No BootLoader) maincode Radioback defaultdb userdb		×
Upgrade Library Version: 3.0.1	 _ < Back_	Next> Exit	_

8. Choose proper *.abs file with new software.

WARNING!!! Check if software is exactly for your model number which is written on frontpanel. Using wrong software might damage receiver.

Press " Open"	
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9. Press *"NEXT>"* to confirm,

8-01-25 Protocol version: 3.1		×
Operate: Upgrade ▲II Chunk All Chunk(No BootLoader) Madioback Adioback defaultdb userdb	C:\Documents and Settin	
▲	Next> Exit	-
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10. Download will start automatically (Download All Chunk)

11.After downloading receiver will burn new sw to Flash memory

WARNING!!!

DO NOT DISCONNECT RECEIVR FROM POWER SUPPLY DURING BURNING!!! IT WILL DAMAGE RECEIVER!

Upgrade Tool Version:2.0.0c. 2008	-01-25 Protocol version: 3.1 Burn Flash, DO NOT power off!	
	Open Serial Port Sync to serial port Send Address Download All Chunk Burn Flash, DO NOT power off!	
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12.After finishing whole download process there will be message :"Upgrade success", You can safely disconnect receiver.

Upgrade Tool Version:2.0.0c. 2008-01-25 Proto Burn Flash, D	col version: 3.1 O NOT power off			×
Open Serial Sync to serial Send Addres Upgrade	Port		100%	
	grade Success!			
			بر ح	
Upgrade Library Version: 3.0.0e	Restart	Finish	Exit	

13. Press *Finish* to close the program. Press *Restart* If you want to program another receiver

