

Instructions



Software Upgrade Instructions for MTX100B MPEG Recorder & Player, RTX100B ISDB-T RF Signal Generator, and RTX130B QAM & VSB RF Signal Generator

075-0931-01

Warning

The servicing instructions are for use by qualified personnel only. To avoid personal injury, do not perform any servicing unless you are qualified to do so. Refer to all safety summaries prior to performing service.

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Kit Description

This kit provides a document with your option authorization key and instructions to upgrade your MTX100B MPEG Recorder & Player, RTX100B ISDB-T RF Signal Generator, and RTX130B QAM & VSB RF Signal Generator to various software upgrade options listed in Table 2.

Products

MTX100B MPEG Recorder & Player
RTX100B ISDB-T RF Signal Generator
RTX130B QAM & VSB RF Signal Generator

Kit Parts List

Table 1 lists the items that ship with the software field upgrades.

Table 1: Kit part list

Quantity	Part number	Description
1 ea	NS	DATA SHEET; OPTION KEY INFORMATION
1 ea	063-4085-00	USB FLASH DRIVE
1 ea	075-0931-01	MANUAL, TECH: INSTRUCTIONS, UPGRADE KIT
1 ea	063-4114-00	USER DOC CD

NS Not Saleable

Installation Instructions

This section provides information on various software upgrade options and how to enable them on your MTX100B MPEG Recorder & Player, RTX100B ISDB-T RF Signal Generator, and RTX130B QAM & VSB RF Signal Generator.

Software Upgrade Options

The following table lists the upgrade options which can be enabled on the MTX100B, RTX100B, and RTX130B instruments.

NOTE. To enable the UPG upgrade option refer to Software Upgrade Using the USB Flash Drive on Page 5 and to enable the other upgrade options refer to Entering the Option Key on Page 9.

Table 2: Software Upgrade Options

Option	Description
MTX10UP: Field upgrade kit for MTX100B.	
SC	Upgrade to add the scheduler option to MTX100B.
UPG	Upgrade MTX100B to the latest software version.
MTXPAUP: Field upgrade kit for MTX100B.	
IPE	Upgrade to add the 10/100 Base-T Video-over-IP electrical interface to MTX100B.
TSCX	Upgrade to add Real Time Transport Stream Compliance Analyzer to MTX100B (requires Option 07).
TSCA	Upgrade to add Deferred Time Transport Stream Compliance Analyzer to MTX100B.
MX	Upgrade to add Deferred Time Multiplexer to MTX100B.
ES	Upgrade to add ES Analyzer to MTX100B.
PA	Upgrade to add PES Analyzer to MTX100B.
BA	Upgrade to add Buffer Analyzer to MTX100B.
DB	Upgrade to add Carousel Analyzer to MTX100B.
CG	Upgrade to add Carousel Generator to MTX100B.
DBCG	Upgrade to add Carousel Analyzer and Carousel Generator to MTX100B.

Table 2: Software Upgrade Options (Cont.)

Option	Description
RTX10UP: Field upgrade kit for RTX100B.	
SC	Upgrade to add the Scheduler option to RTX100B.
UPG	Upgrade RTX100B to the latest software version.
RTX13UP: Field upgrade kit for RTX130B.	
M1	Upgrade to add DVB-C/ITU-T J.83 Annex A Modulation Mode to RTX130B.
M2	Upgrade to add ITU-T J.83 Annex B Modulation Mode to RTX130B.
M3	Upgrade to add ITU-T J.83 Annex C Modulation Mode to RTX130B.
M4	Upgrade to add ATSC Modulation Mode to RTX130B.
SC	Upgrade to add the Scheduler option to RTX130B.
UPG	Upgrade RTX130B to the latest software version.
RTXPAUP: Field upgrade kit for RTX100B and RTX130B.	
TSCA	Upgrade to add Deferred Time Transport Stream Compliance Analyzer to RTX100B and RTX130B.
MX	Upgrade to add Deferred Time Multiplexer to RTX100B and RTX130B.
ES	Upgrade to add ES Analyzer to RTX100B and RTX130B.
PA	Upgrade to add PES Analyzer to RTX100B and RTX130B.
BA	Upgrade to add Buffer Analyzer to RTX100B and RTX130B.
DB	Upgrade to add Carousel Analyzer to RTX100B and RTX130B.
CG	Upgrade to add Carousel Generator to RTX100B and RTX130B.
DBC	Upgrade to add Carousel Analyzer and Carousel Generator to RTX100B and RTX130B.

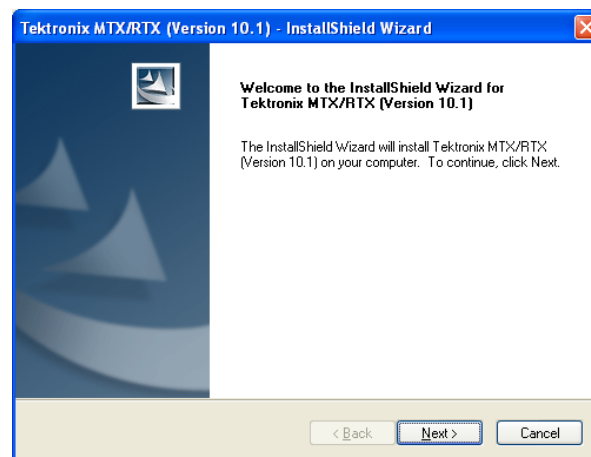
Software Upgrade Using the USB Flash Drive

Perform the following steps to upgrade the software version from 9.X to 10.X using the USB flash drive and the UPG option.

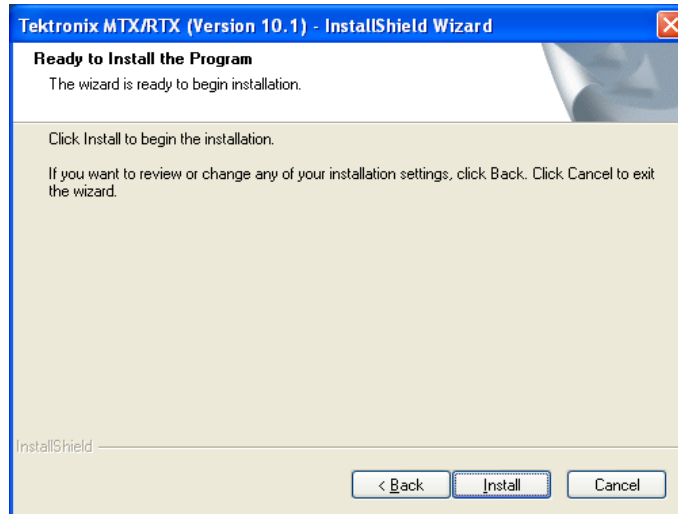
1. Connect the USB flash drive to the USB connector of the instrument. A dialog box with various install options is displayed.



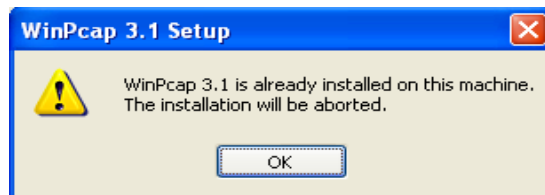
2. Select **Install Tektronix MTX/RTX (Version 10.1)** and click **OK**. Immediately, an InstallShield Wizard that allows you to install the application is displayed. Click **Next** to continue.



3. Click **Install** to begin the installation process.



During the progress, the following WinPcap 3.1 Setup message is displayed. Click **OK** to continue.

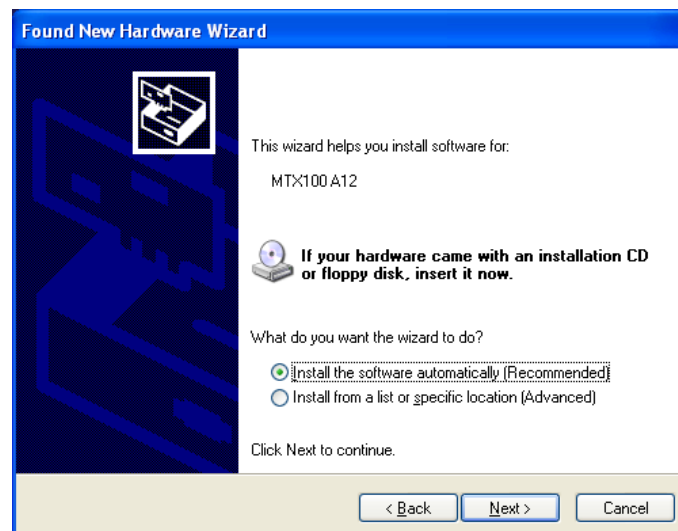


4. At the end of installation, a Found New Hardware Wizard is displayed. Select **No, not this time** and click **Next**.

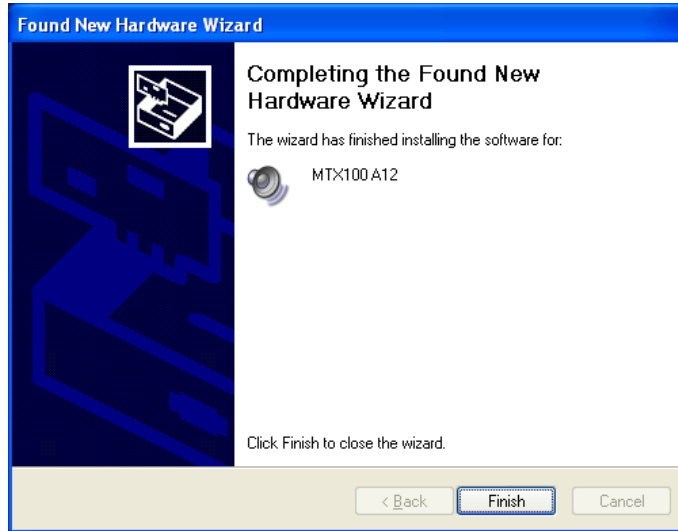
NOTE. The Found New Hardware Wizard is displayed twice: once for the A12 card, and once for your option card (if any).



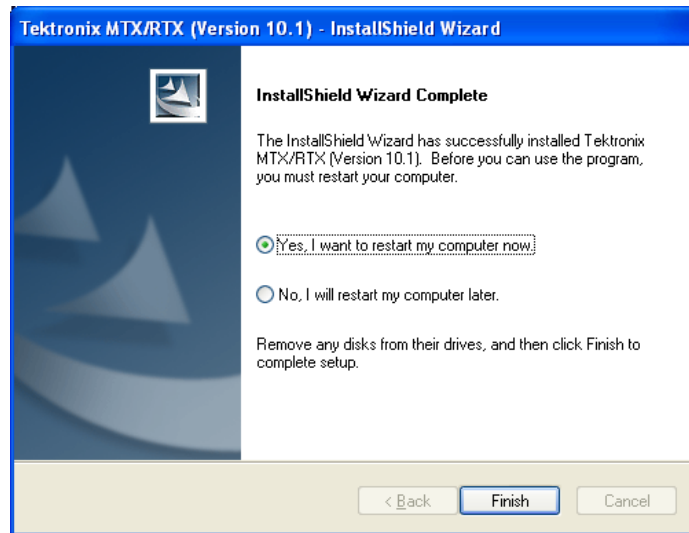
5. Select **Install the software automatically (Recommended)** and click **Next**.



6. Click **Finish** to complete the Found New Hardware Wizard.



7. Select **Yes, I want to restart my computer now** and click **Finish** to complete the installation.



A message is displayed asking you to remove the USB flash drive. Click **Ok** and disconnect the USB flash drive from the instrument. The instrument restarts to display the application screen.

8. Perform steps 3 through 7 listed in the *Entering the Option Key* section on Page 9 to enter the UPG option key.

Entering the Option Key

Perform the following steps to enter the option key that is supplied with the upgrade kit.

1. Connect a keyboard and mouse to the USB connectors of the instrument (if they are not already installed).
2. Power on the instrument and wait for it to start.
3. Connect the dongle that is supplied with the instrument.
4. From the Start menu, select **Programs > Tektronix MTS400 > Optionkey Wizard** to open the Tektronix Option Update dialog box.

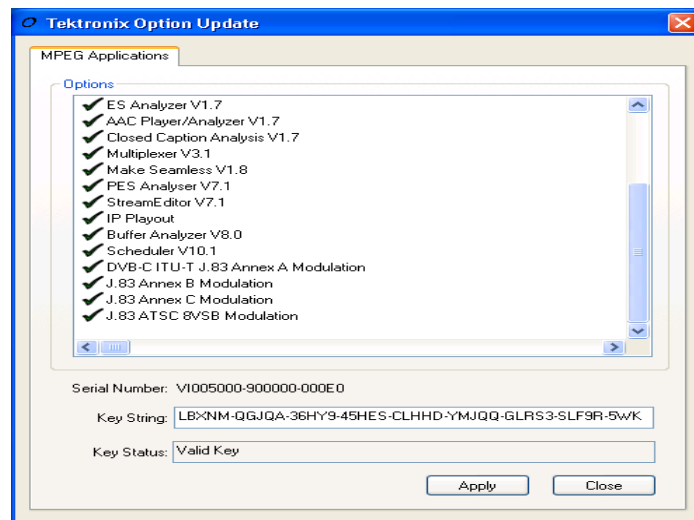


Figure 1: Tektronix Option Update dialog box

5. Refer to the option key document that is supplied with the kit to identify the option key numbers.
6. Enter the alphanumeric numbers in the **Key String** text box, and click the **Apply** button.

The Tektronix Option Update dialog box is updated and the ordered option is displayed along with the other options. If a wrong key string is entered, the **Key Status** box displays the entered string as invalid.

7. Apply the label of the ordered option to the right side of the cabinet.
8. Restart the instrument to display the application screen.

■ End of document ■

