

# **UT-100A/B/C/D**

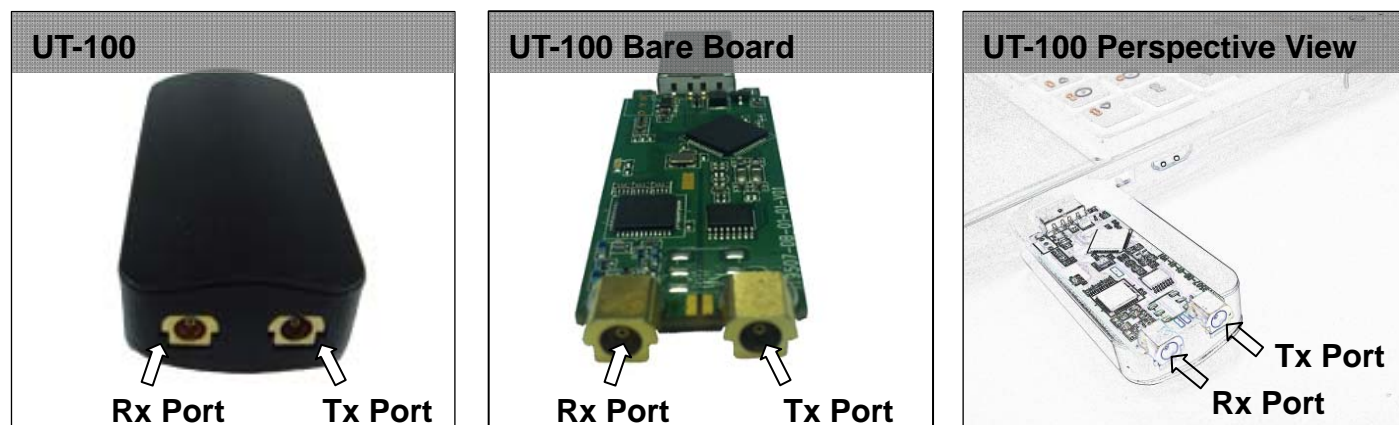
## **Quick Installation Guide**

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## Package Contents

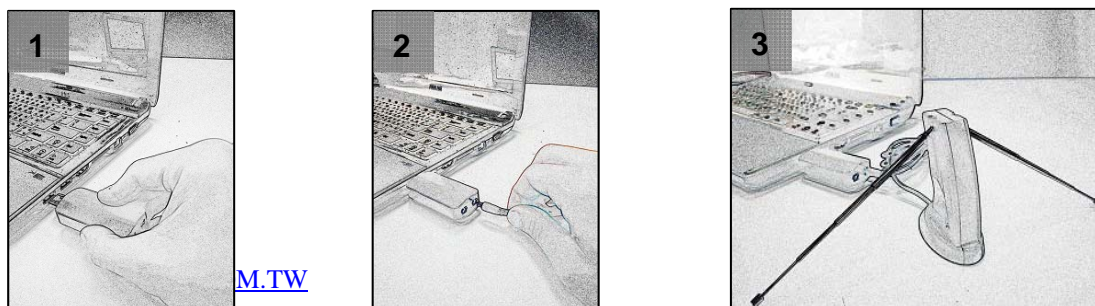
- UT-100, USB 2.0 DVB-T Modulator/Demodulator x1
- DVB-T antenna x1
- USB extender cable x1
- MCX-F-type antenna adapter x1
- CD with drivers, Windows TS Player (Tx), Windows BDA Viewer+ (Rx), Windows & Linux SDK.
- Quick installation guide
- -20dB F-type attenuator x1

## Antenna Ports



## H/W installation for Tx - Wireless

1. Connect UT-100 to PC USB port with or without USB extender cable.
2. Connect the DVB-T antenna to UT-100's Tx port.
3. Extending the antenna and adjust it as the picture shows for the best Tx radiation pattern.

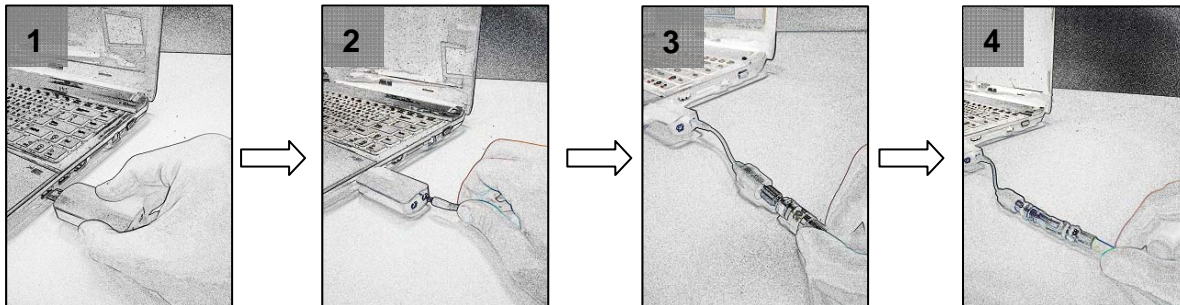




## H/W installation for Tx - Wired

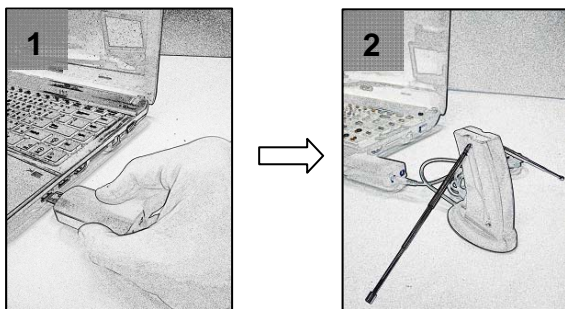
1. Connect UT-100 to PC USB port with or without USB extender cable.
2. Connect the MCX-F-type antenna adapter to UT-100's Tx port.
3. Connect the -20dB attenuator to antenna adapter\*.
4. Connect the coaxial cable to the attenuator.

(\*Note: This step is optional. The attenuator is required only if the cable is less than 50 meters or the DVB-T receiver can not receive strong signal >0dBm well.)



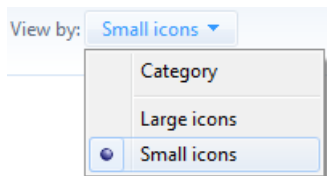
## H/W installation for Rx

1. Connect UT-100 to PC USB port with or without USB extender cable.
2. Connect the DVB-T antenna or MCX-F-type antenna adapter with coaxial cable to UT-100's Rx port.



## Driver Installation on Windows 7

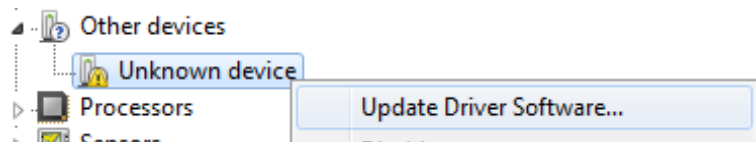
1. Click on "start icon"  -> Control Panel  to open the window for all items.
2. Select "Small icons" view.



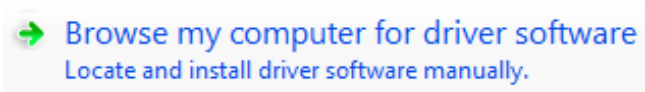
3. Click on "Device Manager".



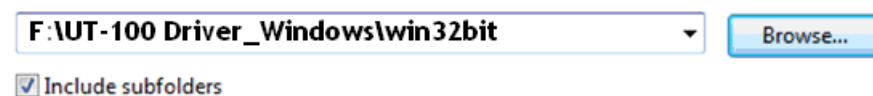
4. Right click on the "Unknown driver" and then click on "Update Driver Software".



5. Click on "Browse my computer for driver software".



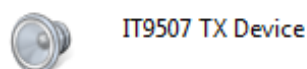
6. Click on "Browse" button and select the driver folder. If you are installing on a 32-bit platform, please select \Driver\_Windows\win32bit on the CD, otherwise select \Driver\_Windows\win64bit\win7x64. If your OS is Vista 64-bit or Win8 64-bit, please select \Driver\_Windows\win64bit\vistax64 or \Driver\_Windows\win64bit\win8x64.



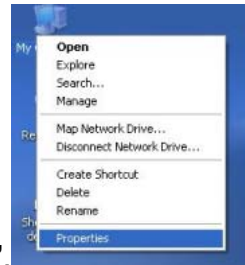
7. Click on next and you will see the following after it's finished.

Windows has successfully updated your driver software

Windows has finished installing the driver software for this device:



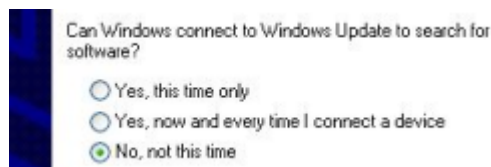
## Driver Installation on Windows XP



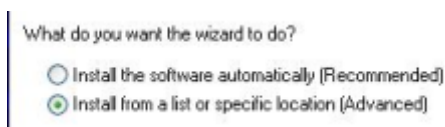
1. Right click on "My Computer" and select "Property".



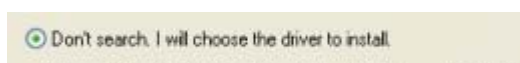
2. Select "Device Manager"
3. Right click on the unknown device "DTV Modulator" (or "DATV Receiver") and select "Update Driver"



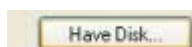
4. Select "No ..."
5. Select "Install from a list...."



6. Select "Don't search I will ...."

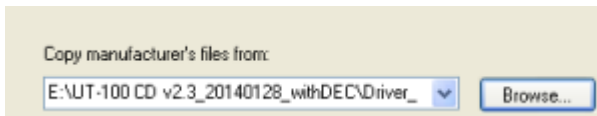


7. Click on "Have Disk" button

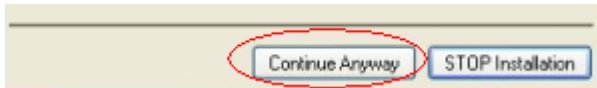


8. Click on "Browse" button and select the driver folder. If you are installing on a 32-bit platform, please select \Driver\_Windows\win32bit on the CD, otherwise select

\Driver\_Windows\win64bit\win7x64. If your OS is XP 64-bit, please select  
\Driver\_Windows\win64bit\vistax64.



9. Click on next and you will see a warning message, and please select “Continue Anyway”



10. If the driver is installed well, the unknown device will become “ITE9507 Tx Device”



## TS Player - Play a transport stream file and set modulator

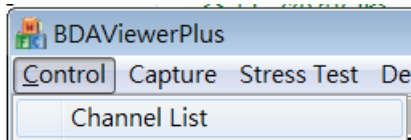
1. Make sure to connect UT-100 with the antenna or coaxial cable first.
2. Double click on “TsPlayer.exe” in TsPlayer folder.
3. Click “Browse” button and select the TS file. It can read the NIT information from the file for modulator settings. You can change the settings in “Configuration” area.
4. Click on “Run” to play the TS file.

\*Note 1: the stream file must be in 188-byte MPEG2 Transport Stream format. Some sample TS files can be found in the package folder \TS Files.

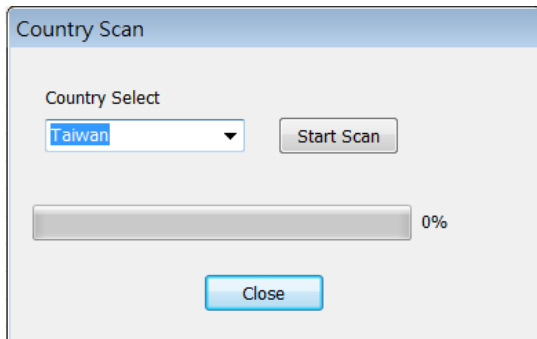
\*Note 2: UT-100D is receiver only and does **NOT** support transmitter feature with TS Player.

## BDA Viewer Plus – Scan/ Play/ Capture TS

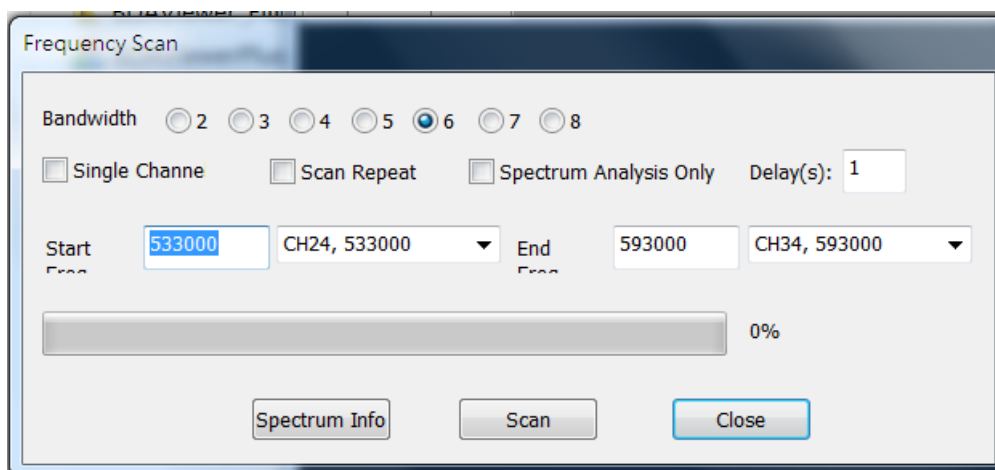
1. Make sure to connect UT-100 with the antenna or coaxial cable first.
2. Copy the folder “\BdaViewer+” on the CD to your local hard disk, say C:, D:, E: or F:.... **The following instructions assume F: drive is used.**
3. Double click on “Install\_Filter.bat” in F:\BdaViewer+\ to install required filters to run BDA Viewer.
4. Double click on “BDAViewerPlus.exe” in F:\BdaViewer+\ folder.
5. Click on “Control-> Channel List” to launch the scan window.



- Click on "Country Scan-> Start Scan" to scan channels by country.

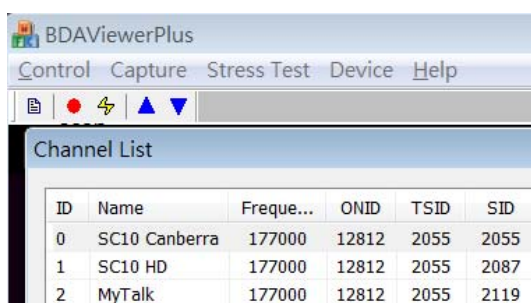


- Or you can click on "Frequency Scan" to specify the frequency range to scan.



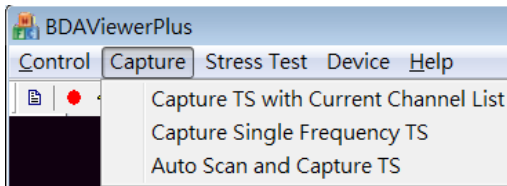
- Bandwidth: select the bandwidth to scan.
  - UT-100A supports only 5/6/7/8 MHz bandwidth reception
  - UT-100B/D supports only 2/3/4 MHz bandwidth reception
  - UT-100C is transmitter only and does not support receiver feature.
- Single channel: Scan the frequency in "Start Freq."
- Scan Repeat: Scan repeatedly.

- You can switch channel by clicking on program name in the channel list.



- You can click on "Capture" and select how to capture TS file on the menu.





## CD Contents

- BdaViewer+
  - Sample DTV viewer utility for testing reception
- DigitalTV 3.4 Build 24\_20130714
  - A professional DTV viewer application
- Media2TS
  - A trans-coding utility to convert general media files into 188-byte transport stream (TS) format
- SDK\_Linux
  - Software development kit for Linux programmers
- TS Files
  - Sample 188-byte transport stream (TS) files
- TSCapture
  - Utility to capture transport streams (TS) from live DTV broadcast with the receiver
- TsPlayer
  - Streaming TS files to the transmitter and broadcast in DTV RF signal
- Driver\_Windows
  - Drivers for Windows
- SDK\_Windows
  - Software development kit for Windows programmers