HiDES   **Easy HD Expressway!**

UT-100A/B/C/D
# Quick Installation Guide

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

| UT-100	UT-100 Bare Board	UT-100 Perspective View
Rx Port Tx Port	**Rx Port Tx Port**	**Tx Port** **Rx Port**
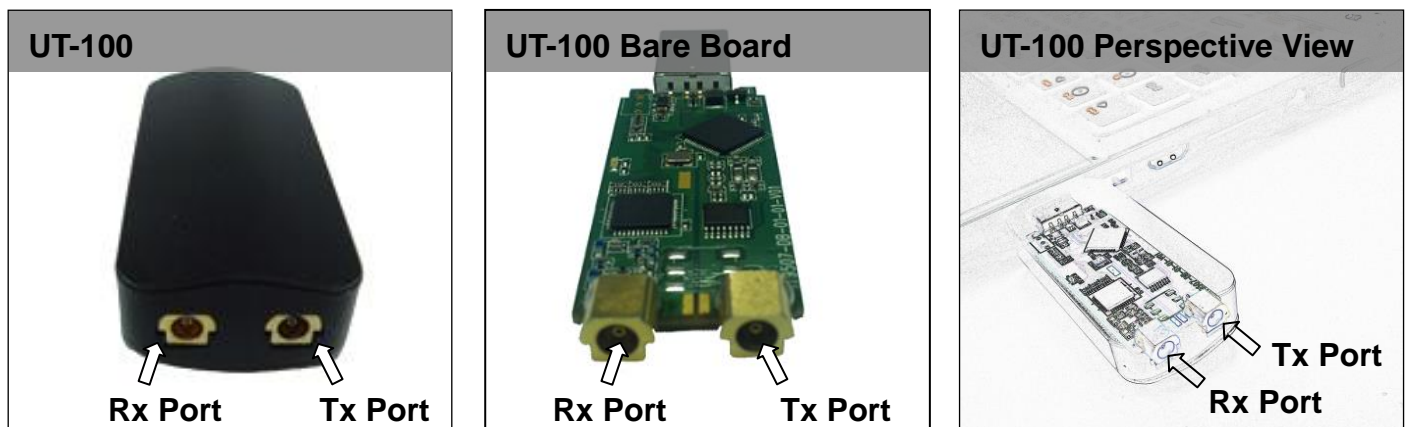
H/W installation for Tx - Wireless

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.
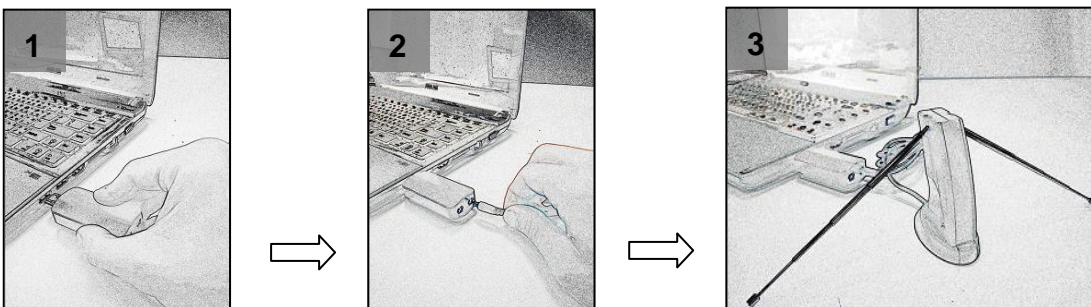
H/W installation for Tx - Wired

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.)
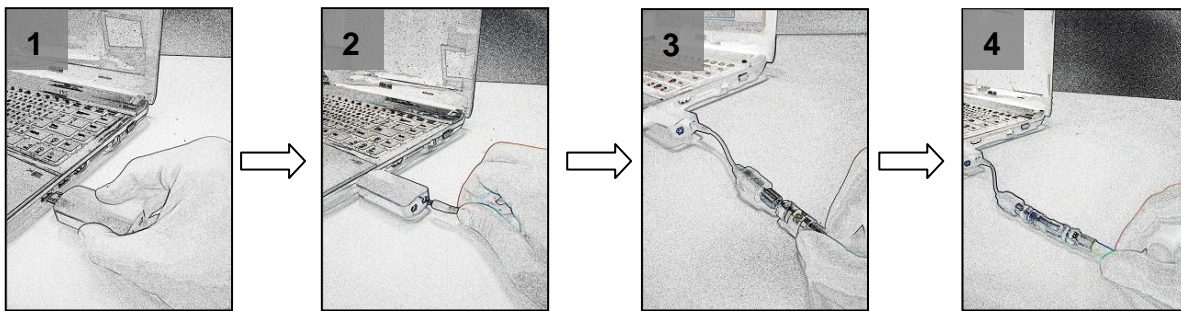
H/W installation for Rx

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.
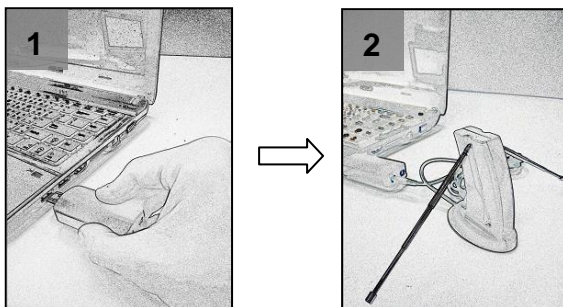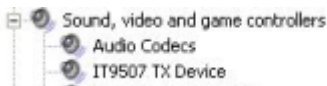
Driver Installation on Windows

1. Click on the file \Driver_Windows\DrvInstall.exe to install the driver

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

3. If necessary , you can check if the device "IT9507 TX Device" is listed in device manager

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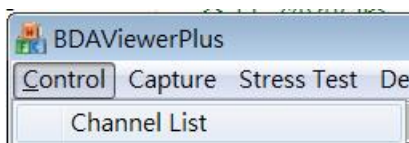
6. Click on "Country Scan-> Start Scan" to scan channels by country.
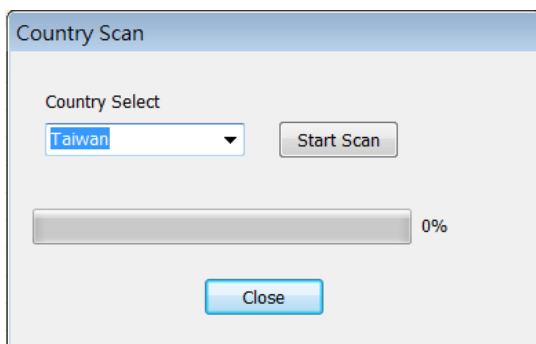

7. Or you can click on "Frequency Scan" to specify the frequency range to scan.
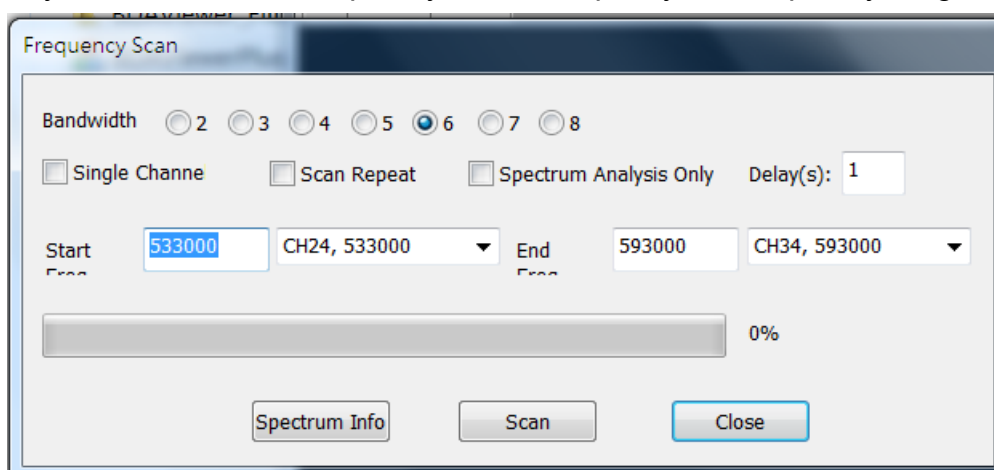
- Bandwidth: select the bandwidth to scan.
  - UT-100A supports only 5/6/7/8 MHz bandwidth reception
  - UT-100B/D supports only 2/3/4 MHz bandwidth reception
  - UT-100C is transmitter only and does not support receiver feature.

- Single channel: Scan the frequency in "Start Freq.".
- Scan Repeat: Scan repeatedly.

8. You can switch channel by clicking on program name in the channel list.
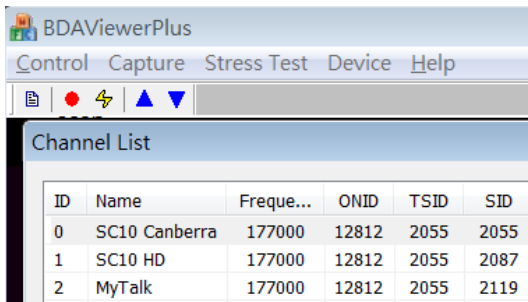
9. You can click on "Capture" and select how to capture TS file on the menu.
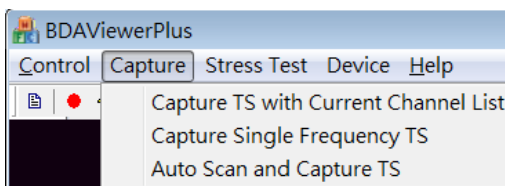
CD Contents

- 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

Contact Information:

- Company web site: www.hides.com.tw
- Technical Support: support@hides.com.tw
- Chips and EVK purchasing information: sales@hides.com.tw
- Custom design, OEM/ODM:Info@hides.com.tw