

Appendix I – Using TiX with Smartphones and Tablets

In addition to working on computers and notebooks, TiX Assistive Panel can also operate on mobile devices like smartphones and tablets.

With these devices, TiX also allows the use of keyboard and mouse functions.



Mobile Device Requirements

To use TiX on a smartphone or tablet, you must meet the following requirements:

- The mobile device must run Android OS;
- The mobile device must have the USB On-the-Go (USB OTG) feature;
- You must have a micro USB OTG to USB female adapter (not included).

To find out if your mobile device has the USB OTG feature, please read the manual or the technical specifications related to your model.

USB ON-THE-GO (OTG)

Present in many models of tablets and smartphones, USB OTG is a feature that enables these devices to accept USB peripheral connection, such as flash drives, keyboards and mice.

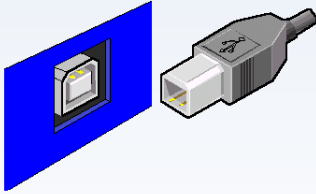
As the TiX is a USB device, like a keyboard or a traditional mouse, it can also be used on mobile devices that have the USB OTG feature.

To connect any USB device to a device compatible with OTG, you must use a USB OTG adapter (not included with TiX).

This adapter is inexpensive and easily found in computer stores, and can come in many different shapes (see examples in the images below). Regardless of shape, this adapter has one end with a USB female connector (which will be connected to the flat end of the TiX cable) and the other end with a micro USB connector to connect to the mobile device.



Connecting TiX to a Mobile Device



To connect TiX to a mobile device, you should use the USB cable that comes with the product.


Connect the square end to the USB connector at the rear of the TiX panel, as shown in the figure.



Firmly connect the flat end of TiX USB cable to the female USB side of the USB OTG adapter.

Then, connect the micro USB end of the adapter to the input connector of your smartphone or tablet.

The figure shows an example of how this can be done.

Once completed the connection, TiX lights should blink* sequentially until the mobile device recognizes it. After the buttons stop flashing **and before anything else**, you must tap on the special key  three consecutive times. After that, TiX panel lights will flash once again, then it will be ready for use.

This procedure is necessary whenever TiX is connected to a mobile device via the USB OTG adapter. If this is not done, the mouse functionality will not perform properly.



* If TiX lights do not flash when you connect it to your smartphone or tablet via the USB OTG adapter, it may indicate the mobile device does not support external peripherals. Please, refer to the "Troubleshooting" section for guidance.

Limitations of TiX with Smartphones and Tablets

When TiX is connected to a mobile device it is able to perform exactly the same functions available on a computer, including the keyboard, mouse and scan operating modes.

The only missing feature is the shortcut for centering the mouse pointer on the screen, which **does not work on mobile devices**.

Troubleshooting TiX with Smartphones and Tablets

Problem	Possible Solution
TiX does not work on mobile device	Make sure your mobile device supports USB OTG (see the device's manual or technical specifications). If you are not sure about this feature, please, check whether other USB devices such as a flash drive, keyboard or mouse work when connected to your mobile device via the USB OTG adapter.
When connecting TiX, the lights do not flash	Make sure that both USB cable ends are securely connected. Also, make sure that both ends of the USB OTG adapter are firmly connected.
After connecting TiX, the mouse mode doesn't work	Unplug TiX and plug it back to your mobile device. As soon as the lights go out, tap the special key  three consecutive times. Only then, switch TiX to mouse mode (by tapping the special key  three times). After that, tap on any mouse movement button on TiX to make the cursor appear on your mobile device's screen.