



Thank you for purchasing BlueTalk! BlueTalk is a Bluetooth hub which, when paired with InvoTek's MultiAccess Android app, enables the user to control up to two personal electronic devices via one input device. The Android input device runs InvoTek's MultiAccess Android app. This app provides an on-screen keyboard and cursor control and enables the user to select which connected device to control. When the user makes a keyboard selection or cursor movement in MultiAccess, the command is sent via Bluetooth to the selected device through BlueTalk. To the connected devices, BlueTalk looks like a normal Bluetooth keyboard and/or mouse. In addition, BlueTalk displays text from MultiAccess on a forward-facing LCD and plays text-to-speech through the built-in speakers.



Input Switches

There are two switch jacks and buttons labeled SW1 and SW2. Users can connect input switches here to perform switch scanning within the MultiAccess app. MultiAccess provides sophisticated settings to improve switch access for a user. BlueTalk accepts any 3.5mm mono switch output, such as a push-button switch or the output of a Sip-and-Puff switch. The small buttons beside each switch jack are there for convenience to test the functionality of switches during setup – pressing a button is identical to activating its associated switch.



Figure 1:
Left View

Relay Output

The jack labeled “Relay” allows the user to connect wired devices such as a nurse call button. The relay is activated through the MultiAccess app. The relay supports a maximum of 1 amp of current and 30 volts DC. Exceeding these specifications may damage BlueTalk.

Audio Jack

The jack labeled “Audio” is a 3.5mm headphone jack. When headphones are connected, all audio is routed to the headphones instead of through the built-in speakers. By using headphones, communication between partners can become more private.

Charging Port

The Micro-B USB jack labeled “CHG” is used to charge the device. When the provided USB cable is connected and powered, the device will charge. On the front of BlueTalk is a battery symbol with four LEDs that display the current battery status. When the device is charging, the battery LED corresponding to the charge level will blink.

On/Off Switch

The switch labeled “ON” is the on/off switch. To turn the device on, slide the switch upward.

Figure 2:
Right View

**Vol+/Vol- Buttons**

These buttons control the volume of the built-in speakers and headphones when connected. The current volume setting is displayed on the LCD when a button is pressed.

Contrast

The “Contrast” knob adjusts the contrast of the front LCD panel.

Unpair Button

This button is used to disconnect BlueTalk from all Bluetooth devices. This includes forgetting all the devices which BlueTalk attempts to reconnect to on power up. To do so, hold down the Unpair button for three seconds until a long beep is heard.



Figure 3: Top View

LCD Screen

The LCD screen is used to display text typed by the user in MultiAccess.

Built-In Speakers

BlueTalk has two built-in, forward facing speakers which can be used to play text-to-speech from MultiAccess. BlueTalk supports dynamic volume control, which automatically adjusts the volume of the speakers to keep the audio output at a constant level above the ambient noise. This can be enabled in MultiAccess.

Bluetooth Logo LED

An LED behind the Bluetooth logo will glow blue when BlueTalk is paired and connected to MultiAccess.

Battery Symbol

The battery symbol has four LEDs that display the battery power status. When the device is charging, the LED corresponding to the charge level will blink.



Figure 4: Front View

- 1) Turn on BlueTalk.
- 2) On your phone/tablet/computer, navigate to the device's Bluetooth settings. Ensure your device's Bluetooth is turned on.
- 3) In your device's settings, scan for available Bluetooth devices. Look for a device named "BlueTalk" and select it.
 - If "BlueTalk" fails to show up as an available device, turn your device's Bluetooth off then back on. Then re-scan for available devices.
 - If that doesn't work, turn BlueTalk off then back on and re-scan for available Bluetooth devices on your device.
- 4) If you are connecting to a device that will be controlled with MultiAccess, the connecting process is complete. If you are connecting to your input device running MultiAccess, finish the connection process by opening MultiAccess. In the top right corner, click the three dots for the menu. In the menu, click "Connect to BlueTalk". At this point, the Bluetooth logo LED on the front of BlueTalk will glow blue and within a few seconds any devices connected to BlueTalk will be listed in the device bar in MultiAccess (e.g, Nexus 7, ERIK-THINK, and BlueTalk in Figure 5).

BlueTalk works seamlessly with MultiAccess to enable you to control multiple personal electronic devices using one input device. Start by connecting the devices to be controlled by following the steps listed in the *Pairing BlueTalk to Devices* section. Then open MultiAccess on your input device. The names of the devices you connected will be shown in the device list. Figure 5 shows a screen shot of MultiAccess with three connected devices: Nexus 7, ERIK-THINK, and BlueTalk. BlueTalk is selected as the device to control, indicated by green highlighting. Any keyboard selections will be sent to the BlueTalk LCD. The Relay button, found next to the space bar, will activate BlueTalk's relay output. The Vol+ and Vol- keys, located on the right side of the keyboard, control the volume of BlueTalk's built-in speakers or headphones if connected.

BlueTalk supports sophisticated switch input filtering, including recognizing a switch activation on switch press or release and requiring a minimum switch press or release time before recognizing a switch activation. The switch control options for BlueTalk are in the MultiAccess menu, accessible by the three dots in the upper right corner of the app under the menu option "Set Switch Settings".

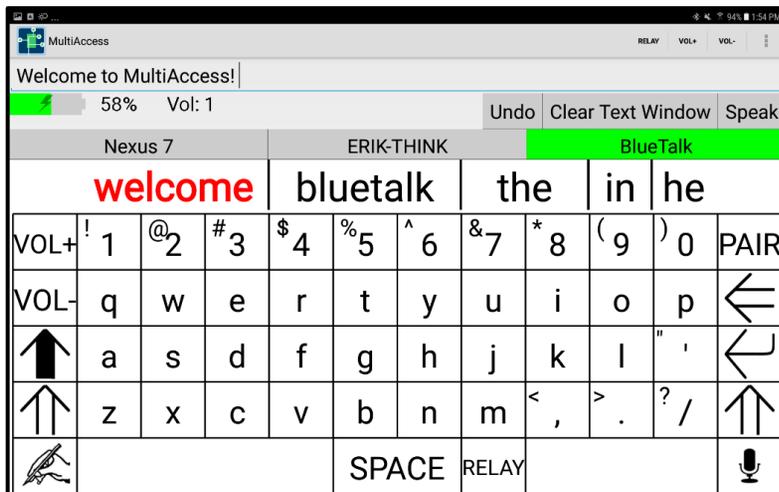


Figure 5: MultiAccess On-Screen Keyboard

Figure 6 shows one of two cursor control layouts in MultiAccess. The second layout is a trackpad area that replaces the cursor movement arrows.

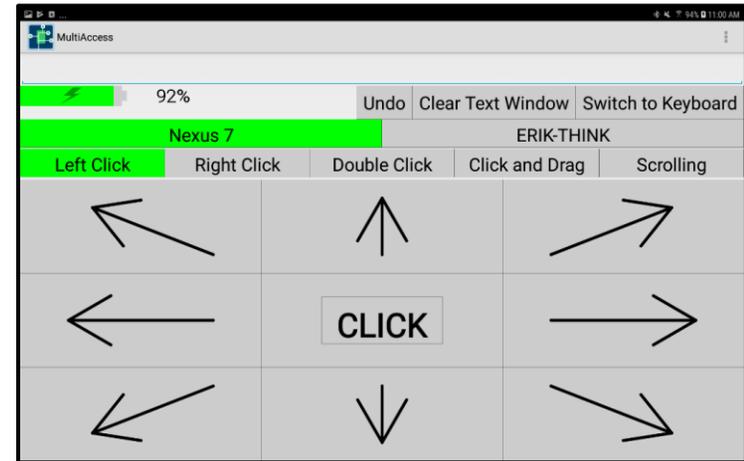


Figure 6: MultiAccess On-Screen Mouse

Questions

If you have any questions about BlueTalk, please don't hesitate to contact us.

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