

TOUCHCHAT: Using 1 & 2 Switch Scanning



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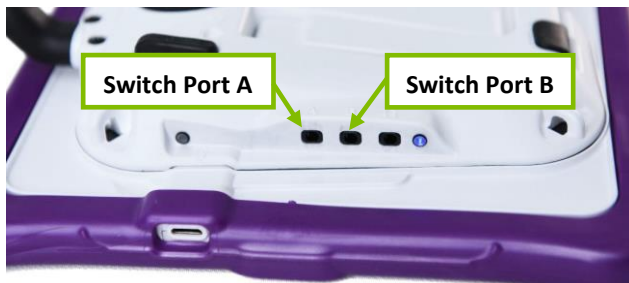
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Setting up Switch Scanning

As an alternative to directly choosing each button on the screen, TouchChat offers the ability to use single and two switch scanning via Bluetooth AeroSwitch and standard wired switches plugged into device switch jack A or B. The touchscreen itself can be used as a single switch.



Connect the Amp to the Device and TouchChat

To use wired external switches you will need to ensure that the Amp is connected to the device and connected to the software.

To Connect the Amp to the Device

1. Select **Settings > Bluetooth**.
2. Tap the Amp.
3. **Connected** will be displayed once connected.

To Connect the Amp to the TouchChat Software

1. Open TouchChat.
2. Select **Menu > Settings**.
3. Select the Amp.
4. **Connected** will be displayed once connected.

Plug the switch into either switch jack A or B. If you are using two switches, plug a switch into each.

Using an AeroSwitch in TouchChat

To use an AeroSwitch with TouchChat, the AeroSwitch must be set to 0, 1, or 2 on the Rotary Dial on the bottom of the switch. To enable this:

1. Turn **OFF** the AeroSwitch.
2. Set the rotary dial to either **0,1 or 2**.
3. Now turn the power button on the AeroSwitch to **ON**.

If you wish to use 2 different AeroSwitches in TouchChat then they will have to be set to different numbers on the rotary dial. E.g., the first AeroSwitch is set to 0 and the second AeroSwitch is set to 1.

The AeroSwitch will allow up to 2 wired switches to be plugged into its switch ports, and these can then be used with TouchChat. To enable this:

1. Turn **OFF** the AeroSwitch.
2. Plug the wired switches into Jack A or B, or both if you are wanting to use 2 switches with the AeroSwitch.
3. Turn the AeroSwitch **ON** again.

Enabling Scanning in iOS

1. Select **Menu > Settings**.
2. Set Scanning Enabled to **ON**.

Setting 1- or 2-Switch Scanning

1. Select **Menu > Settings > Configure Switches**.
2. Select **1 Switch** or **2 Switch** depending on what is required.

Configuring the Switches in TouchChat

You will need to program the wired switch, wireless switch, or screen to the switch within the TouchChat software. To do this:

1. Select **Menu > Settings > Configure Switches > Switch 1: Start Scan / Activate**.
2. Press the required wired switch, AeroSwitch or screen*.
3. To set switch 2 select **Switch 2: Activate**.
4. Press the required wired switch or AeroSwitch.
5. Select **Done**.

** **Note:** Please be aware that the screen can only be used for 1-switch access.*

If you select 1-Switch configuration, Switch 1 will be active and Switch 2 will be grayed out. If you select 2-Switch configuration, both Switch 1 and Switch 2 will be active.

Scanning Methods

There are 3 types of scanning methods available within TouchChat: Auto-Scan, Button Hold Scan, and Step-Scan.

Activating Auto-Scan

1. Select **Menu > Settings**.
2. Turn **ON** Auto-Scan.

Activating Button Hold Scan

Auto-Scan must be turned off to enable this option. To activate Button Hold Scan:

1. Select **Menu > Settings**.
2. Ensure Auto-Scan is turned **OFF**.
3. Turn **ON** Button Hold Scan.

Activating Step-Scan

Auto-Scan and Button Hold Scan must be turned off. To Activate Step-Scan:

1. Select **Menu > Settings**,
2. Ensure Auto-Scan is turned **OFF**.

3. Ensure Button Hold Scan is turned **OFF**.

Turning On Auto Restart

When Auto-Scan and Auto Restart are both turned on, the scan cycle restarts automatically after an activation. To turn on auto restart:

1. Select **Menu > Settings**.
2. Turn Auto Restart **ON**.

Auditory Scan/Prompts

Setting Auditory Scan

This option enables audio feedback during scanning. To set auditory prompts:

1. Select **Menu > Settings**.
2. Turn Auditory Scan **ON**.

If you are scanning, simply activate your switch. To retrieve a message, activate the switch again after you hear the prompt.

Using Headphones for Auditory Prompts

The device user can use headphones so that only they can hear the Auditory Prompt.

1. Select **Menu > Settings**.
2. Turn Use Headphones For Prompt **ON**.

Choosing and Adjusting a Prompt Voice

When choosing a voice to use for auditory prompts, it can be helpful to choose a different voice than the one the system uses for speaking messages. To change the voice:

1. Select **Menu > Settings > Prompt Voice**.
2. Select the voice you want.

Adjusting the Rate at which the Prompt Voice Speaks

1. Select **Menu > Settings**.
2. Move the Prompt Voice Rate slider until the prompt voice speaks at the desired rate. Move the slider to the right for a higher voice rate, or to the left for a lower voice rate.

Adjusting the Pitch of the Prompt Voice

1. Select **Menu > Settings > Prompt Voice Pitch**.
2. Select the Pitch that you want.

Including the Speech Display Bar (SDB) in Scans

To include the SDB in scans:

1. Select **Menu > Settings**.
2. Turn Scan Speech Display Bar **ON**.

Configuring Empty Cells Scans

When selected, scanning will skip over an area without a button or a button that only has a speech message action but no text.

To allow scanning to miss empty button areas:

1. Select **Menu > Settings**.
2. Turn Skip Empty Cells **ON**.

Selecting The Scan Pattern

There are 2 scanning patterns available: Sequential Scan Mode, and Row/Column Scan Mode

Using Sequential Scan Mode: A sequential scan steps through the buttons from left to right beginning in the first row. When the button you want is highlighted, activate your switch.

Using Row/Column Scan Mode: A row/column scan highlights each row of buttons beginning with the top row and moves down the screen. When the row that contains the button you want is highlighted, activate your switch. The scan will then step through the buttons from left to right across the row. When the button you want is highlighted, activate your switch.

To choose the scanning pattern:

1. Select **Menu > Settings > Scanning Type**.
2. Select **Sequential** or **Row/Column**.

Setting Scan Timing (Auto-Scan only)

Scan speed is the amount of time your device takes to move from one button, row, or column to the next in a scan. To set the scan speed:

1. Select **Menu > Settings > Scan Speed**.
2. Select the time required. For example, if you select 1.0 Seconds, a scan will take one second from the time one button is highlighted until the next button is highlighted.

Setting Manual Repeat Time (Step-Scan and Button Hold Scan only)

Step Scan

With 1-switch use in Step Scan, Manual Repeat time is the length of time before it will select the button on the screen after a switch press. The longer the time selected, the longer the time before it activates the button.

NOTE: This option has no use for 2-switch use in Step-Scan.

Button Hold Scan

With Button Hold Scan, Manual Repeat Time is the length of time before the scan will move onto the next button. The longer the time selected, the longer the pause between moving onto the next button while the switch is held. To adjust the time:

1. Select **Menu > Settings > Scan Manual Repeat Time**.
2. Select the period of time required.

Setting Scan Cancel Time

This option is used for the Step-Scan and Button Hold Scan methods with 2 switches. If an input is not received from either switch after a set amount of time the scanning will be cancelled and will need to be restarted with the press of the switch. To adjust the cancel time length:

1. Select **Menu > Settings > Scan Cancel Time**.
2. Select the period of time required or set to **OFF**.

NOTE: This option has no effect for 1-switch use in Step-Scan or Button Hold Scan.