

VIA DEVICES: Using Wired 1 & 2 Switch Scanning



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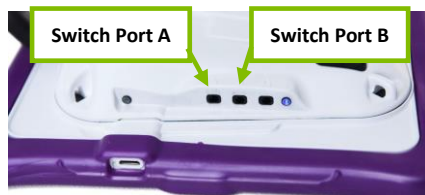
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ENABLING SCANNING

In order to use switches with your device you need to turn Switch Control on in iOS. To turn this on select **Settings > Accessibility > Switch Control**. Turn Switch Control on.

DEFINING THE SWITCHES

You can either use an external switch that is plugged into device switch port A or B, or you have the option to use the screen as a switch.



To Use an External Switch – 1-Switch Scanning:

1. Plug your switch into Port A.
2. Within Switch Control, select **Switches > Add New Switch > External**.
3. Press switch 1 (connected to Port A) and give it a name.
4. Tap “Select Item”. 1-switch scanning is now set up.

To Use an External Switch – 2-Switch Scanning:

1. Plug your switches into Ports A & B.
2. Within Switch Control, select **Switches > Add New Switch > External**.
3. Press switch 1 (connected to Port A) and give it a name.
4. Tap “Move to Next Item”.
5. Select **Add New Switch > External**.
6. Press switch 2 (connected to Port B) and give it a name.
7. Tap “Select Item”. 2-switch scanning is now set up.

If you need another switch option, you can use the screen as a switch.

Once you have set up your switch(es) you need to turn switch control off & on again.

SETTING THE SCANNING STYLE

You can choose to have the system automatically scan or to step to each location. With step-scanning, a switch must be pressed to move the scan to each button, one at a time. With auto-scanning, a switch must be pressed to start the scan and the system will continue to scan until the switch is pressed again.

To set the scanning style, select **Settings > Accessibility > Switch Control > Scanning Style**. Three scanning styles are available: Auto Scanning, Manual Scanning, and Single Switch Step Scanning.

Auto Scanning

Auto Scanning moves from item to item automatically after a specified duration. When Auto Scanning is selected, these timing settings are available.

- **Auto Scanning Time** - determines how fast scanning performs with Auto Scanning turned on.
- **Pause on First Item** - determines how long Auto Scanning will wait after input.
- **Loops** - determines how many times each item is visited prior to stopping the scan.
- **Move Repeat** - determines how long before “Move to Next/Previous Item” is repeated while a switch remains pressed.

Manual Scanning

Manual Scanning allows the user to step from item to item by activating one switch and then select an item by activating a second switch. When Manual Scanning is selected, these timing settings are available.

- **Auto Hide** - determines how long it takes for the scanning interface to disappear due to inactivity.
- **Move Repeat** - determines how long before “Move to Next/Previous Item” is repeated while a switch remains pressed.

Single Switch Step Scanning

Single Switch Step Scanning allows the user to step from item to item by activating the switch. When the user reaches a desired item, he or she stops activating the switch for a specified dwell time. The item is then selected automatically. When Single Switch Step Scanning is selected, these timing settings are available.

- **Dwell Time** - determines the duration before the user can select an item.
- **Auto Hide** - determines how long it takes for the scanning interface to disappear due to inactivity.
- **Move Repeat** - determines how long before “Move to Next/Previous Item” is repeated while a switch remains pressed.

Additional Timing Options

These timing options are available under the “Switch Stabilization” heading.

- **Hold Duration** - this option sets the duration the switch must be held before a press is recognized. This duration must be less than the Auto Tap time so that a double input press can be used.

- **Ignore Repeat** - this option sets the duration in which multiple presses of input are treated as a single input. This duration must be less than the Auto Tap time so that a double input press can be used.

CONFIGURING ADDITIONAL SCAN SETTINGS

Tap Behaviour

By default, when the user selects an item, a pop-up menu appears providing options for interacting with that item (Tap, Scroll, etc.). Two alternative behaviours are available. To access these alternatives, select **Settings > Accessibility > Switch Control > Tap Behaviour**.

- **Auto Tap** - turning Auto Tap on hides the pop-up menu unless the user activated the switch within a specified duration.
- **Always Tap** - turning Always Tap on displays the pop-up menu at the end of the scan. This allows the user to select an item with a single switch activation and scan to the pop-up menu to access it. The pop-up menu appears in the middle of the screen.

Always Tap Keyboard Keys

When Always Tap Keyboard Keys is turned on, keyboard keys will always be selected with a single switch activation instead of displaying a pop-up menu immediately when selected.

Scan Audio

Scroll to the “Audio” section and turn **Sound Effects** and **Speech** on or off.

Menu Scanning

To include all menus in scans, leave **Included Menu Items** set at **All**.

To exclude one or more menus from scanning, tap **Included Menu Items** to open a list of menus. Then tap the name of each menu you want to exclude to remove the checkmark.

Scanning Cursor Size and Colour

The “cursor” is the highlight that appears around the scanned button area. To change the cursor size and colour, scroll to the “Visual” section.

To double the thickness of the highlight, turn **Large Cursor** on. To change the colour of the cursor, tap **Cursor Colour** to open a list of colour options. Blue, Red, Green, Yellow, and Orange are listed, and a checkmark appears after the colour currently selected. Tap the colour you prefer.

Pause on First Item

Pause on First Item allows you to find the next item you want to select before a scan resumes. When this setting is turned on, a scan will pause on the first item for the number of seconds you specify and will pause again after the item has been selected and the scan resumes.

Setting Loops

When Auto Scanning is turned on, the Loops setting determines the number of times a scan will go through all items and start over automatically. When the set number of loops finishes, the scan will stop. You can start the scan again by activating the switch.

Sound Effects

When Sound Effects is turned on, a clicking sound is activated as a scan moves from one item to another.

Speech

When Speech is turned on, an item is spoken as well as highlighted when a scan selects it.

Menu Items

When Menu Items is turned on, you can select what items show up in the pop-up menu during a scan.

Group Items

When Group Items is turned on, a scan display items on the screen in groups instead of individually. This allows you to scan between groups, select a group, and then select an item within the group.

Cursor Colour

Use the Cursor Colour setting to change the colour of the scan border to make it easier to see as it moves.

Long Press

Note: Long Press is not currently available within the Via Pro software.

Dwell Time

When Step Scanning is selected, Dwell Time allows you to set the number of seconds the user must wait for an item to be selected on the screen automatically.

Auto Hide

When Step Scanning is selected, Auto Hide will make the scanning cursor disappear if the user does not activate the switch within a predetermined number of seconds. Activating the switch will redisplay the cursor.