rM Hacks Documentation

Installation



This page documents rM Hack version 0.0.9, which will be released soon.

An alpha release of version 0.0.9 is available by entering this command on the tablet's ssh command line:

```
sh -c "$(wget https://raw.githubusercontent.com/mb1986/rm-hacks/main/install.sh -O-)" _ patch 0.0.9-alpha.7
```

If instead, you want to read the version 0.0.8 documentation, see

rM Hacks Documentation (0.0.8)

Also see installation instructions in the README.

Settings / Configuration

After installing rM Hacks, tap

- Menu
- Settings
- † rM Hacks

This displays the rM Hacks Configuration

page. See <u>Settings / Configuration</u> for

more details.

Features Overview

Below is a brief listing of features.

See Features Overview for more details.

Toolbar additions

- Decrease toolbar width (new in
- 0.0.9) Clock display
- Battery and WiFi

indicators . More stroke

sizes

- Current page / Page count display and button
- Bookmarks button to toggle bookmark and show navigation grid - Bookmarks button lower in the toolbar (new in 0.0.9)
 - Bookmark rename input now in the header at the top of the screen (new in 0.0.9)
- Table of Contents button
- Brush / Tool icon (when toolbar is closed)
 - Add colors abbreviations to the color icon (new in 0.0.9)
 - Add a setting to hide the document toggle for toolbar (new

in 0.0.9) • Jump straight to the tags view (new in 0.0.9)

- Document-level toggle buttons in the export/share popout
- Quicktools bar to store shortcut to tools (new in 0.0.9)
 Quicktools button in toolbar (new in 0.0.9)
- Add a setting to hide the toolbar header (new in 0.0.9)

Navigation

- Bookmarks navigation grid
- Compressed List option for document
- lists Tags are alphabetized on Menu ⇒
- Tags display Jump straight to the tags

view (new in 0.0.9) Persist the tags filter (new in 0.0.9)

- Swipe two fingers up from the bottom of the page to cycle between two recent documents.
- Tap the current page/page count numbers to open fast page scroll.
 Screen orientation button (new in 0.0.9)

Writing

Gestures (writing)

- Swipe one finger down in the body of the page to open/close toolbar.
- Swipe one finger down in the top left corner (right-handed)/right corner (left- handed) to switch between the last two tools.
- Swipe one finger up in the top left corner (right-handed)/right corner (left- handed) to switch between the writing tool and eraser.
- Swipe one finger down in the top right corner (right-handed)/left corner (left- handed) to swap the last two pen thicknesses (strokes).
- Swipe one finger up in the top right corner (right-handed)/left corner (left- handed) to swap the last two colors.
- Five-finger tap triggers screen refresh
- Hide new page button when swiping to new page (new in 0.0.9)
- Remove last empty page when swiping to the previous page (new in 0.0.9) Add page on edge double tap (new in 0.0.9)
- Remove current empty page on double tap (new in 0.0.9)

Sleep mode

- Enable sleep mode by swiping up from the top of the screen (light or deep sleep selectable in Settings/Security).
- Display...zzz in the top right corner during light sleep mode instead black of a big banner.

Bookmarks (writing)

- Toolbar bookmarks button showing all bookmarks in the currently open document.
 - Bookmarks button lower in the toolbar (new in 0.0.9)

- Bookmark rename input now in the header at the top of the screen (new in 0.0.9)
- Tap in the top corner opposite the toolbar to toggle a bookmark for the current page.
- Long press in the top corner opposite the toolbar to create a named bookmark or to change the name of an existing one.
- Long press the bookmarks toolbar button to toggle a bookmark for the current page.
- Long press the bookmark grid item from the bookmarks menu to rename the bookmark.

Miscellaneous

- New notebook name defaults to the current date and time yyyy-mmdd_hhmmss)
- Add configuration options for various click and press behaviors of the stylus button (new in 0.0.9).

Settings

Settings / Configurations menus under

- E Menu
- Settings

Document-level toggle buttons (accessible through the *Share and Convert* menu):

- Enable/disable WiFi Connection
- Enable/disable All Gestures
- Enable/disable rM1 Buttons (rM1
- only) Enable/disable Automatic
- Updates Show/hide clock display
- Show/hide Battery/WiFi Levels
- display Enable/disable Straight Lines

Features Deep Dive

Gestures

Gestures include

- Open / close toolbar
- Open / close quicktools (new in
- 0.0.9) Swap the last two tools
- Swap last tool with eraser
- Swap the last two pen thicknesses
- (strokes) Swap the last two colors
- Open previous
- document Sleep mode
- Full screen refresh
- Add page on edge double tap (new in 0.0.9)
- Remove empty page on double tap (new in 0.0.9)

See **Gestures** for more details.

Strokes

rM Hacks adds additional stroke sizes (line thicknesses).

- five additional sizes for writing
- tools three additional sizes for the eraser

See Strokes for more details.

Bookmarks

With Bookmarks enabled, any page can be bookmarked and each bookmark can have short text to describe it.

On any page, tapping the bookmarks toolbar icon will show the

bookmarks navigation grid where you can jump to any bookmark.

See **Bookmarks** for more details.

QuickTools

See QuickTools for more details.

Pen Button Actions

See Pen Button Actions for more details.

Document-level Settings

This feature allows you to toggle some settings without leaving a document.

- WiFi Connection
- All Gestures
- rM1 Buttons (rM1
- only) Automatic
- Updates Clock
- Battery/WiFi Levels
- Straight Lines

See <u>Document-level Settings</u> for more details.

rM Hacks Documentation Settings

/ Configuration

After installing rM Hacks (see README), tap

- →

 Menu
- Settings
- † rM Hacks

to open the rM Hacks Configuration page.

< Back			
☐ General	rM Hacks Configuration (v0.0.9)		
	General Settings	>	
■ Battery	Document Configuration	>	
☐ Storage	Document Comiguration		
☆ Security	Toolbar Configuration	>	
AA Accessibility	Bookmarks Configuration	>	
ි rM Hacks			
	QuickTools Configuration	>	
	Gestures Configuration	>	
	Stylus Configuration	>	

This page has entry points for

- General Settings
- Document
- Configuration Toolbar
- Configuration
- Bookmarks
- Configuration
- QuickTools

Configuration Gestures

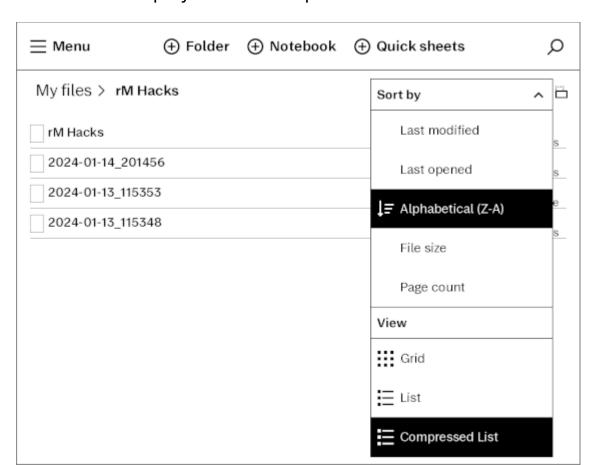
Configuration Stylus

Configuration

General Settings

Compressed files list

When this setting is on, an additional Compressed List menu option is available to display a more compressed files list.



Alphabetize tags filter list

When this setting is off, the default tag order (newest first?) displays in the Menu \Rightarrow

Tags filter list.

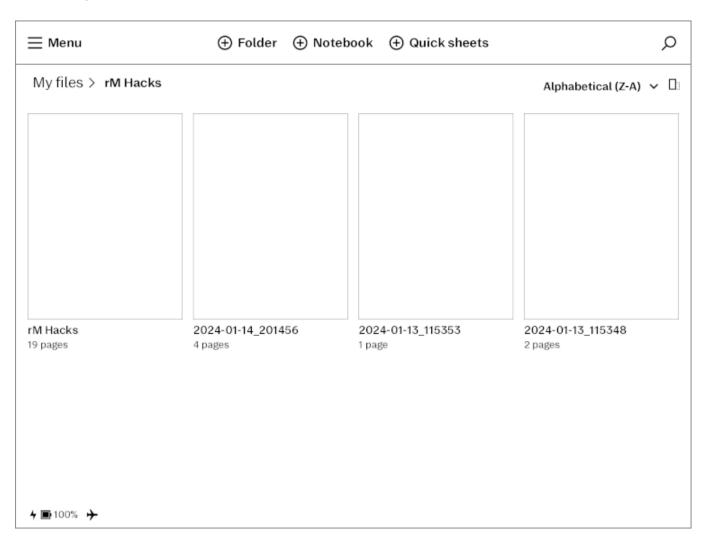


When this setting is on, the tags display in alphabetical order.



Screen orientation button (new in 0.0.9)

A new icon button shows above the documents list. Press this button to cycle through all four screen orientation modes (two portrait modes, two landscape modes)



Persist the tags filter (new in 0.0.9)

Maintains the selection of tags used for filtering in the Menu ⇒ Tags view.



Replace the sleep-mode black banner with '...zzZ'

When this setting is off, the default black sleep-mode banner displays during light sleep.



When this setting is on, light sleep will display a smaller '...zzZ' symbol.

...zzZ

Document Configuration

Hide document close button ③

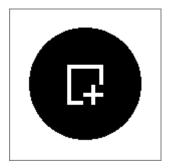
When this setting is off and the toolbar is not hidden, the close button will appear like normal.



When this setting is on, the close button will not appear, but it is still possible to close the document by swiping one finger down from the top.

Hide new page button (new in 0.0.9)

Hides the new page button when you swipe to next page and creates new pages automatically.



Hide page numbers

When this setting is off, the tablet will display page numbers at the bottom as you swipe from page to page. When this setting is on, those numbers will not display.

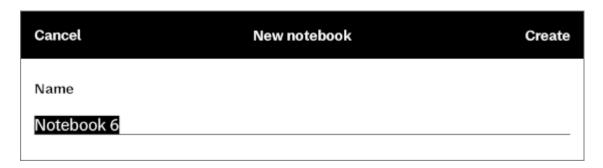


Remove last empty page (new in 0.0.9)

If a notebook has an empty page at the end, it is removed if you swipe to the previous page.

Set new notebook name as current date

When this setting is off, new notebooks are assigned default names like "Notebook", "Notebook 1", etc.



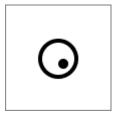
When this setting is on, new notebooks are named with the current date in the format

yyyy-mmdd hhmmss .

Cancel	New notebook	Create
Name		
2024-01-23_201407		

Show current brush icon

When this setting is off and the toolbar is hidden, it will display the usual icon.



When this setting is on and the toolbar is hidden, a different icon displays.



In the upper left is an indicator of the stroke thickness (where applicable), the upper right shows the color (where applicable), and the bottom center shows the tool selected.

Hide the toolbar button

Hide the top left toolbar button in the document view.

When this setting is on and the toolbar is hidden, the toolbar button is also hidden. So for a blank document, no icons appear at all.

Toolbar Configuration

Document clock

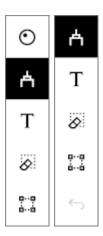
Enables a clock (HH:MM) to display at the top of the toolbar.



Hide toolbar header (new in 0.0.9)

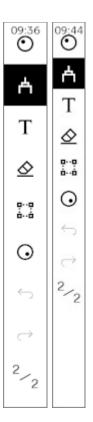
Hide the header of the toolbar (the top round toggle in the toolbar).

The image on the left shows the header not hidden. The image on the right shows it hidden.



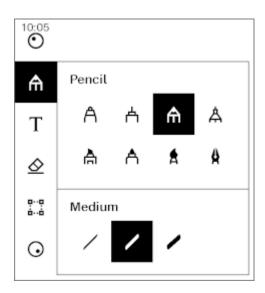
Decrease toolbar width (new in 0.0.9)

The toolbar width is decreased to 75% of its original size.

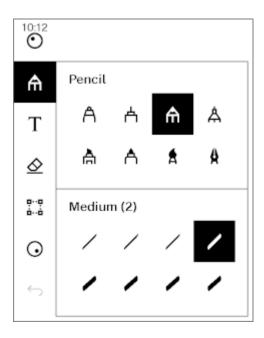


More stroke sizes

When this setting is off, the default writing tool stroke sizes are available (Thin, Medium, Thick).



When this setting is on, more stroke sizes are available (Thinner (0.5), Thin (1), Medium Thin (1.5), Medium (2), Thick (3), Thicker (5), Even Thicker (8), Thickest (13)).



Page number and total pages count button

When this setting is on, the current page number and total page count is shown in the toolbar. In addition, tapping these numbers will open the fast page scroll feature (which normally is available by swiping one finger up from the bottom of the page).



Table of contents button

When this setting is on, if a document has a table of contents, a table-ofcontents toolbar button displays.



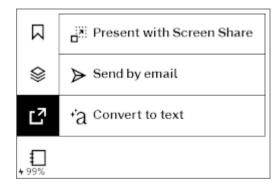
Jump straight to the tags view (new in 0.0.9)

Long-pressing the tags toolbar button in an open document closes it and jumps to the Menu/Tags view.

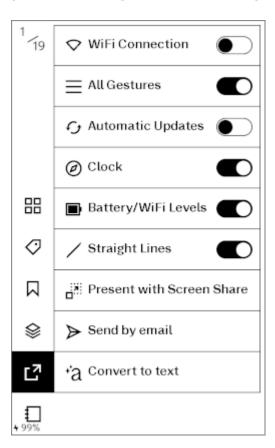


Document-level toggle buttons

When this setting is off, the default document share options are available.

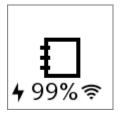


When this setting is on, more options are available in this menu, allowing you to change some settings without exiting the document.



Document battery and wifi icons

Enables battery level and WiFi signal strength indicators to display at the bottom of the toolbar.



Bookmarks Configuration

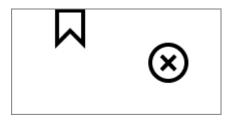
Bookmarks

This setting enables bookmarks feature for documents. Note that in rM Hacks version 0.0.9, the bookmarks tool appears lower down in the toolbar.



Bookmarks corner tap

Bookmark the current page by tapping in the corner opposite the toolbar, just inside the document close button \otimes , if displayed.



First page bookmark

This setting adds 'First Page' to the bookmarks grid.



Last page bookmark

This setting adds 'Last Page' to the bookmarks grid.



QuickTools Configuration (new in 0.0.9)

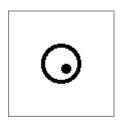
QuickTools bar

Add new tool shortcuts. Swipe up to show or hide the bar. Double tap to remove a tool.



QuickTools button in toolbar

Add a new button for QuickTools after the redo button.



QuickTools is horizontal on top

If true, QuickTools is horizontal on top, otherwise it will be vertical below or next to the toolbar.

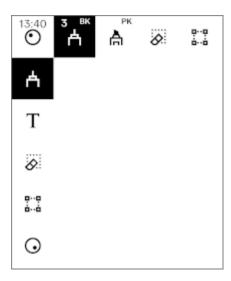
The image above shows the horizontal orientation. Below is the vertical.



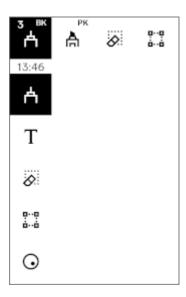
QuickTools as header (when QuickTools is horizontal)

Replace the toolbar toggle with the QuickTools bar (in horizontal mode).

When this setting is off, the QuickTools bar shows to the side of the toolbar toggle.



When this setting is on, the QuickTools bar overlays the toolbar toggle.



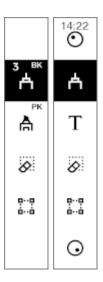
QuickTools hides behind the toolbar (when QuickTools is vertical)

When the toolbar is toggled on, have QuickTools stay hidden behind it until called.

When this setting is off, hiding and un-hiding the toolbar will not remove the QuickTools--they will keep showing as below.



When this setting is on, the QuickTools will keep showing when you hide the toolbar (first image), but when you un-hide it, the QuickTools will stop showing (second image).



QuickTools details

Show the stroke size and color details on each tool button. When this setting is off, only the tool icon displays.



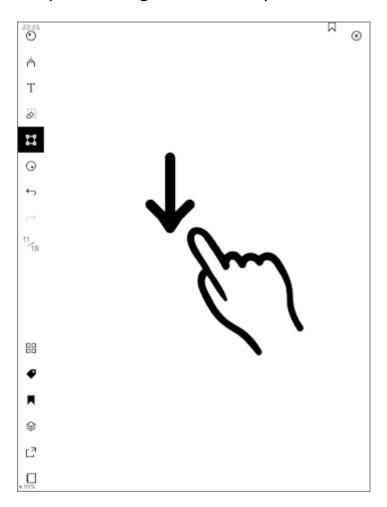
When this setting is on, the details appear above the icons.



Gestures Configuration

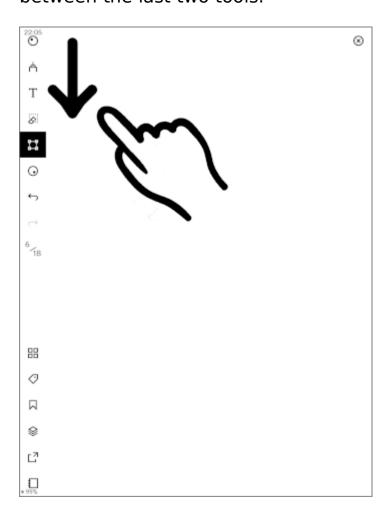
Gesture to toggle toolbar

Swipe one finger down to open or close the toolbar.



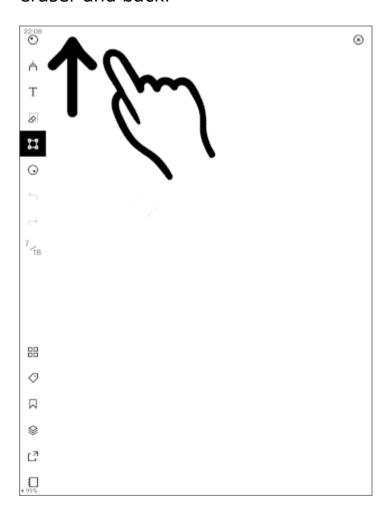
Gesture to swap last two tools

Swipe one finger down in the corner closest to the toolbar to switch between the last two tools.



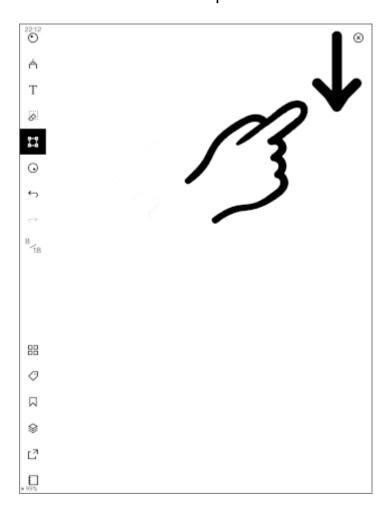
Gesture to swap last tool with eraser

Swipe one finger up in the corner closest to the toolbar to switch to the eraser and back.



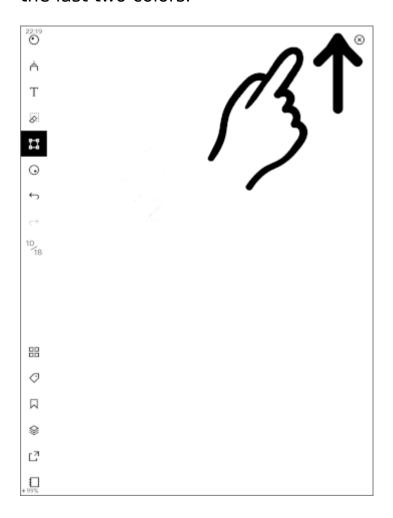
Gesture to swap the last two pen strokes

Swipe one finger down in the corner opposite the toolbar to switch between the last two pen strokes.



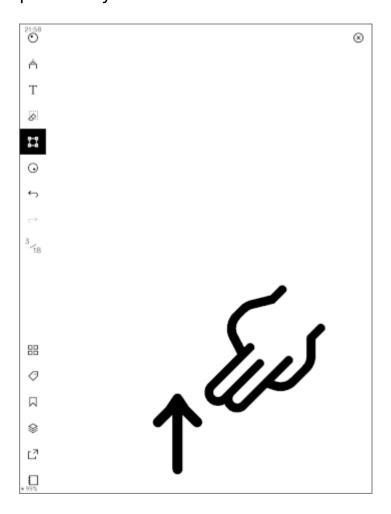
Gesture to swap the last two colors

Swipe one finger up in the corner opposite the toolbar to switch between the last two colors.



Gesture to open previous document

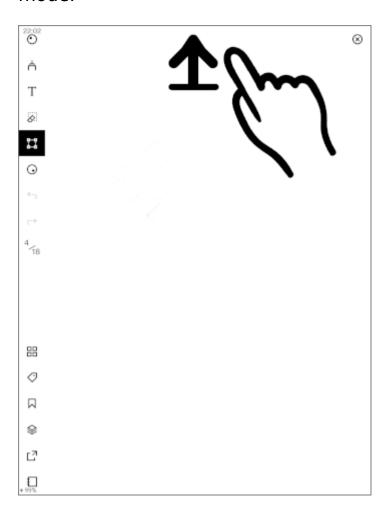
Swipe two fingers up from the bottom of the page to open previously edited document.



Gesture to put the device into light sleep mode

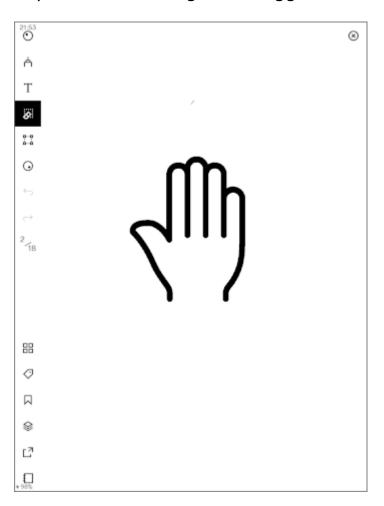
Swipe on finger up from the top of the page to enable light sleep mode.

Turn on light sleep mode from the Menu \Rightarrow Settings \Rightarrow Security page. If light sleep is not turned on, this gesture will put the device into normal sleep mode.



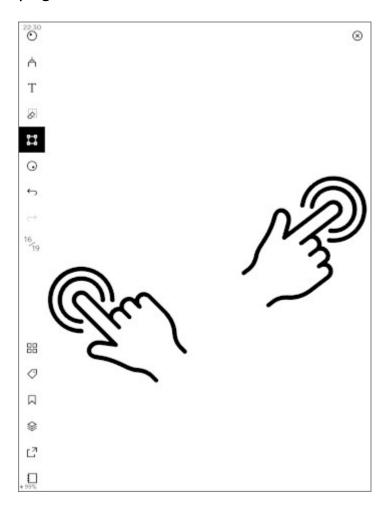
Gesture to force screen refresh

Tap with all five fingers to trigger a whole screen refresh.



Add page on edge double tap (new in 0.0.9)

Adds a new page on a double tap on edge (left or right) and go to this page.



Remove on double tap (new in 0.0.9)

Double tap on an empty page removes this empty page



Stylus Configuration (new in 0.0.9)

Enable additional stylus support

Adds support for various click patterns and behaviors for the stylus button and eraser.

Click, Double click, Triple click:

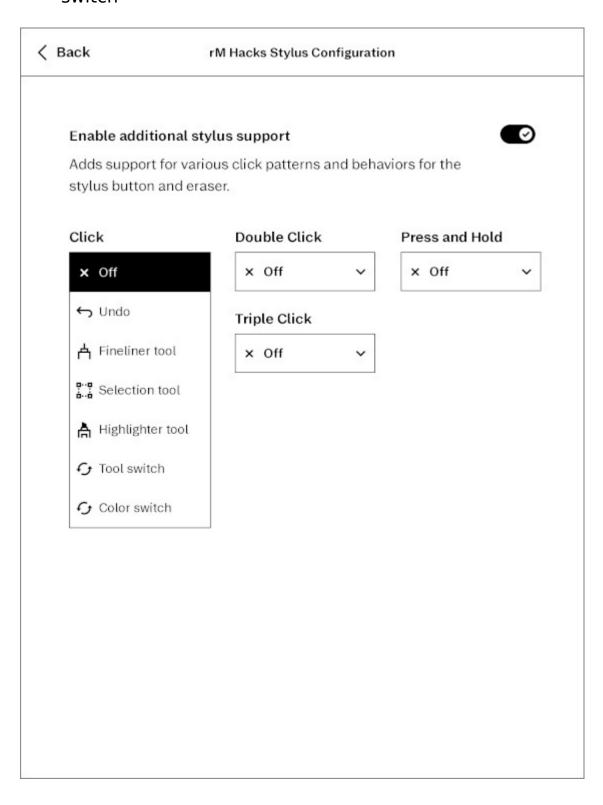
- Off
- Und

0

- Fineliner
- tool

Selection tool

- Highlighter
- tool Tool
- switch Color switch



Press and Hold:

- Off
- Erase

r

- Selection eraser
- Selection tool
- Highlighter tool
- Color switch



rM Hacks Stylus Configuration

Enable additional stylus support



Adds support for various click patterns and behaviors for the stylus button and eraser.

Click



Double Click



Triple Click



Press and Hold



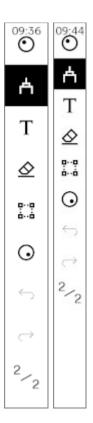
rM Hacks Documentation Features Overview

Toolbar additions

Clock (HH:MM) displays at the top of the toolbar



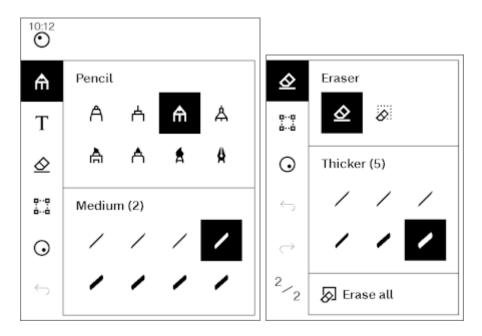
Decreased toolbar width (new in 0.0.9)



When the toolbar is closed a brush/tool icon displays instead of the default open/close icon.



More stroke sizes, writing tools and eraser



Current page and page count (n/n) display near the middle of the toolbar. Tapping these numbers opens fast page scroll.

When a document has a table of contents, a button for it appears in the toolbar above the page overview button.



Jump straight to the tags view (new in 0.0.9)



Bookmarks button to toggle bookmark and show navigation grid displays between the tags and layers icons.



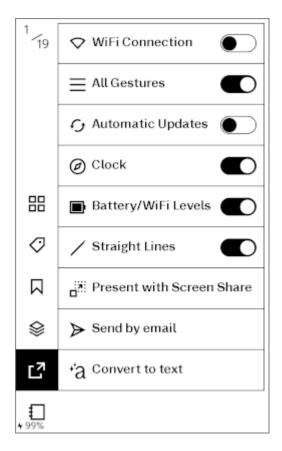
Short tap on this button opens/closes the bookmarks navigation grid.



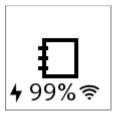
Long press toggles a bookmark for the current page.



Document-level toggle buttons



Battery level and WiFi signal strength indicators display at the bottom of the toolbar.

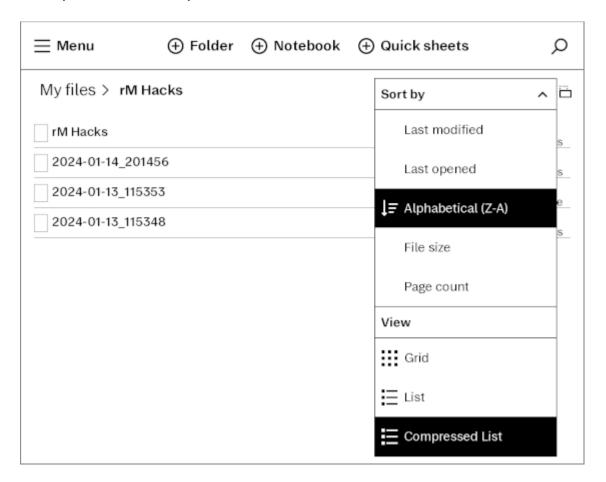


Navigation

Short tap on the bookmarks button opens/closes the bookmarks navigation grid.



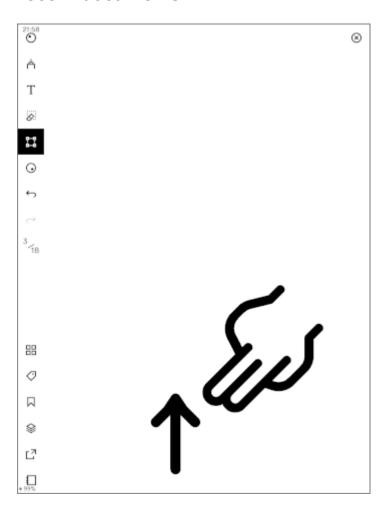
Compressed List option for document lists



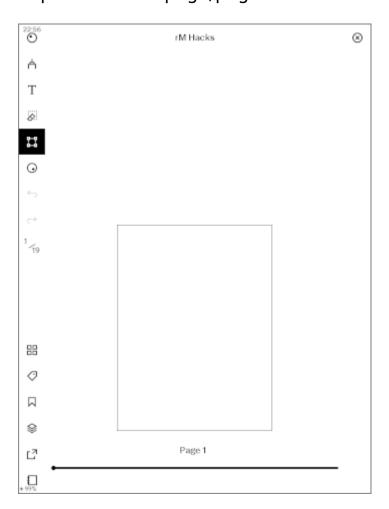
Tags are alphabetized on Menu ⇒ Tags display



Swipe two fingers up from the bottom of the page to cycle between two recent documents.



Tap the current page/page count numbers to open fast page scroll.



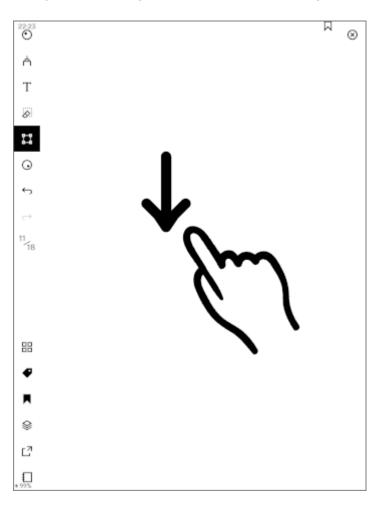
Jump straight to the tags view (new in 0.0.9)



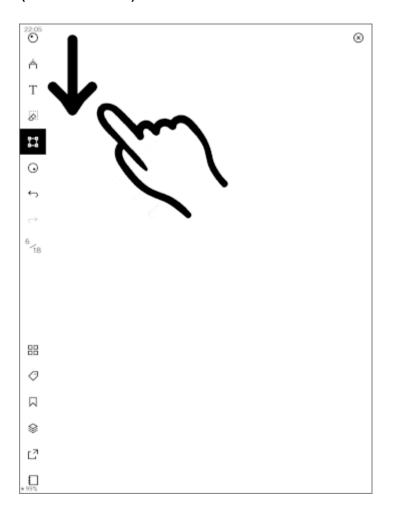
Writing

Gestures

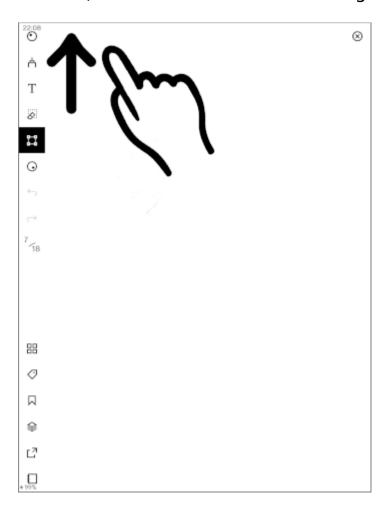
Swipe one finger down in the body of the page to open/close toolbar.



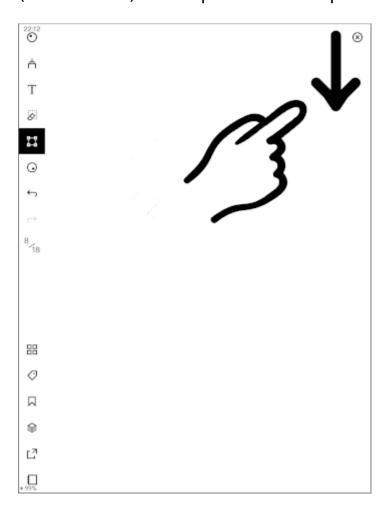
Swipe one finger down in the top left corner (right-handed)/right corner (left-handed) to switch between the last two tools.



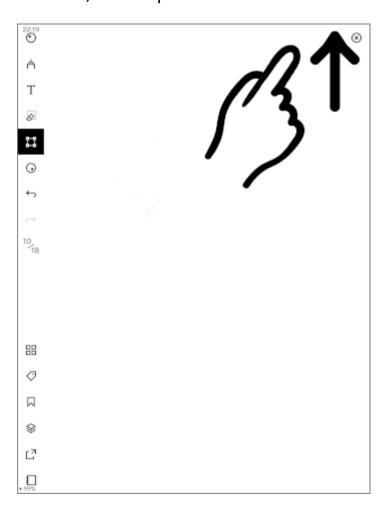
Swipe one finger up in the top left corner (right-handed)/right corner (left-handed) to switch between the writing tool and eraser.



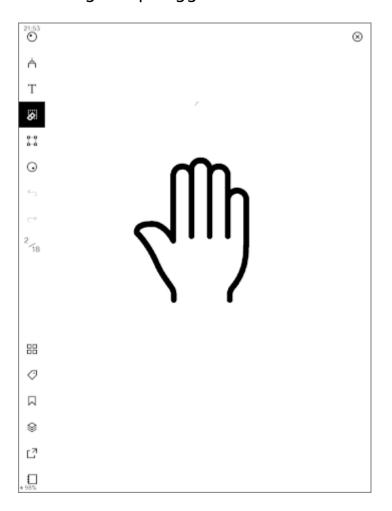
Swipe one finger down in the top right corner (right-handed)/left corner (left-handed) to swap the last two pen thicknesses (strokes).



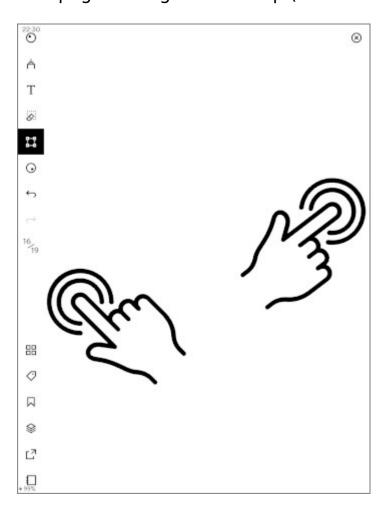
Swipe one finger up in the top right corner (right-handed)/left corner (left-handed) to swap the last two colors.



Five-finger tap triggers screen refresh



Add page on edge double tap (new in 0.0.9)

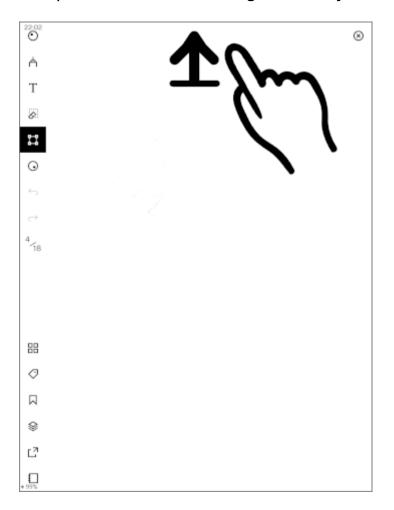


Remove current empty page on double tap (new in 0.0.9)



Sleep mode

Enable sleep mode by swiping up from the top of the screen (light or deep sleep selectable in Settings/Security).



Displa ...zzz in the top right corner during light sleep mode instead of a big black banne r.

...zzZ

Bookmarks

Tap in the top corner opposite the toolbar to toggle a bookmark for the current page.



Long press in the top corner opposite the toolbar to create a named bookmark or to change the name of an existing one.



Toolbar bookmarks button shows all bookmarks in the currently open document.



Long press the bookmarks toolbar button to toggle a bookmark for the current page.



Long press the bookmark grid item from the bookmarks menu to rename the bookmark.

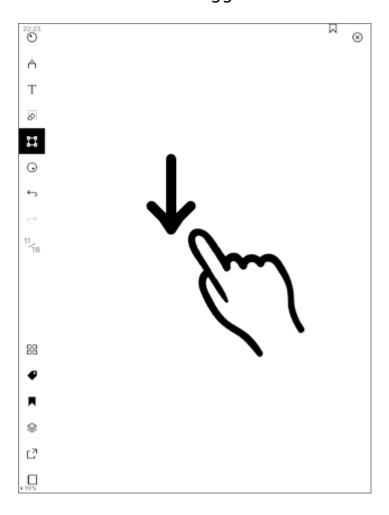


rM Hacks Documentation Gestures

Open / close toolbar

Swipe one finger down in the body of the page to open or close the toolbar.

When the toolbar is closed the brush / tool icon will appear in the place of the default toolbar toggle icon.



Swap the last two tools

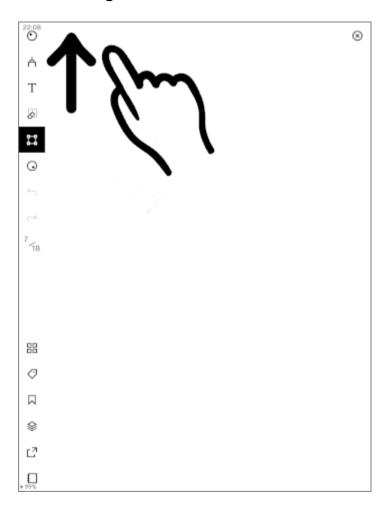
Swipe one finger down in the corner closest to the toolbar to switch between the last two tools.

For example, you could switch between two writing tools, like the Pencil and the Highlighter. Or between a writing tool and the selection tool.



Swap last tool with eraser

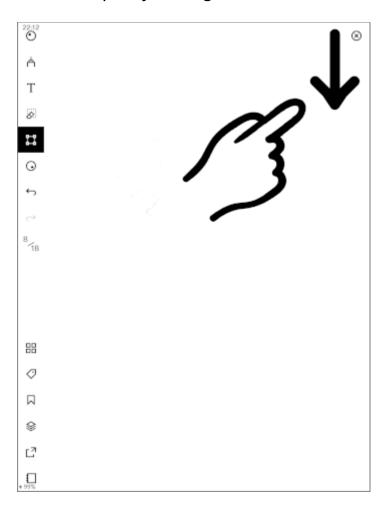
Swipe one finger up in the corner closest to the toolbar to switch between the writing tool and eraser.



Swap the last two pen thicknesses (strokes)

Swipe one finger down in the top corner opposite the toolbar to swap the last two pen thicknesses (strokes).

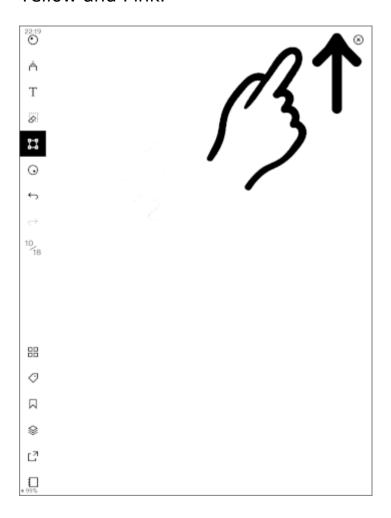
For example, you might switch between Thin (1) and Thick (3).



Swap the last two colors

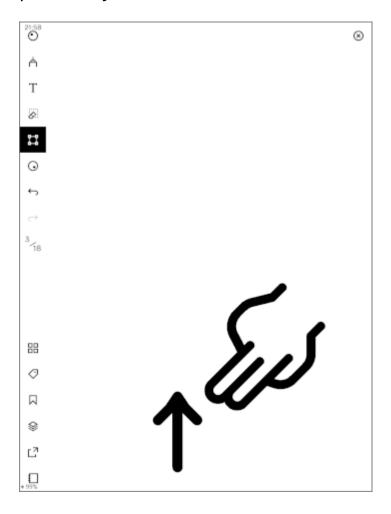
Swipe one finger up in the top corner opposite the toolbar to swap the last two colors.

For example, you might switch between Black and Gray, or between Yellow and Pink.



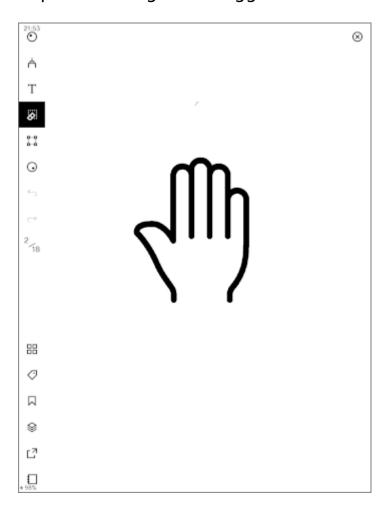
Open previous document

Swipe two fingers up from the bottom of the page to open previously edited document.



Full screen refresh

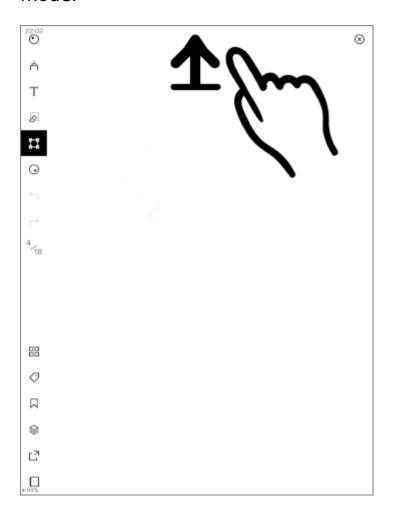
Tap all five fingers to trigger a full screen refresh.



Sleep mode

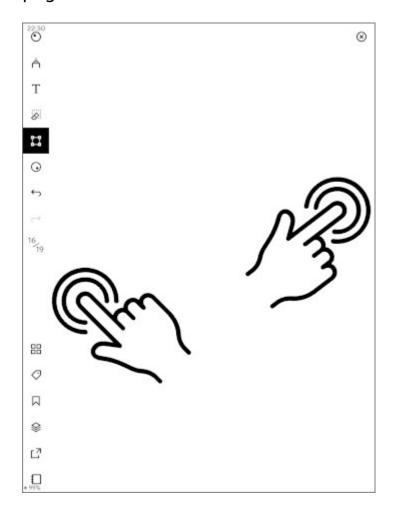
Swipe one finger up from near the top of the page to trigger sleep mode.

Turn on light sleep mode from the Menu \Rightarrow Settings \Rightarrow Security page. If light sleep is not turned on, this gesture will put the device into normal sleep mode.



Add page on edge double tap (new in 0.0.9)

Adds a new page on a double tap on edge (left or right) and go to this page.



Remove on double tap (new in 0.0.9)

Double tap on an empty page removes this empty page



rM Hacks Documentation Strokes

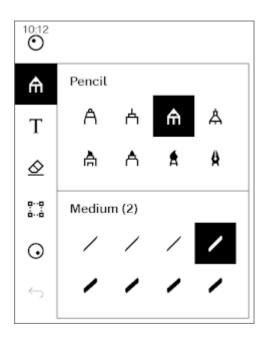
Writing tools

By default, there are three stroke sizes (line thicknesses) for all the writing tools except highlighter and for the eraser tool. The sizes are Thin, Medium, and Thick.

rM Hacks adds additional stroke sizes, five additional for the writing tools and three additional for the eraser.

For all the writing tools except highlighter, the sizes are

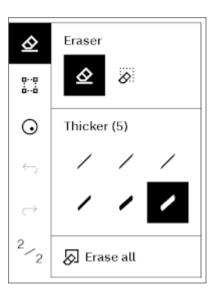
- Thinner (0.5)
- Thin (1)
- Medium Thin (1.5)
- Medium (2)
- Thick (3)
- Thicker (5)
- Even Thicker (8)
- Thickest (13)



Eraser

For the eraser, the sizes are

- Thinner (0.5)
- Thin (1)
- Medium Thin (1.5)
- Medium (2)
- Thick (3)
- Thicker (5)



rM Hacks Documentation Bookmarks

Bookmarks

Enable this setting to use bookmarks. A bookmarks icon will appear in the toolbar.



Tap this icon to display the bookmarks navigation grid.



Long press this icon to toggle a bookmark for the current page.



When the bookmarks navigation grid is visible, long press any bookmark entry to open the Rename Bookmark dialog to add, change or remove a bookmark's name.

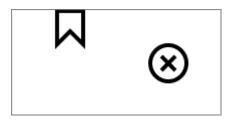


Bookmarks corner tap

If this setting is enabled, then in addition to the bookmarks icon in the toolbar, an area in the top corner opposite the toolbar will become active.

Tapping this area will toggle a bookmark for the current page (similar to a long press of the bookmark icon in the toolbar).

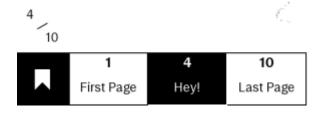
If the current page has a bookmark, a bookmark icon will appear in this upper corner area.



Whether the icon appears or not, a long press in this area will open the Rename Bookmark dialog to give the (new or existing) bookmark a name.

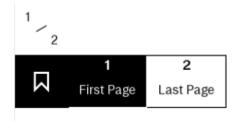


That name will appear in the bookmarks navigation grid along with the page number.



First page bookmark

If this setting is enabled, a First Page entry will appear in the bookmarks navigation grid.



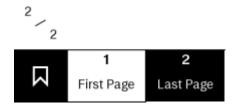
If the first page has a bookmark, that bookmark will show instead.



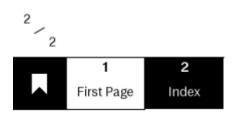
The First Page entry will not appear if the document has only one page.

Last page bookmark

If this setting is enabled, a Last Page entry will appear in the bookmarks navigation grid.



If the last page has a bookmark, that bookmark will show instead.



The Last Page entry will not appear if the document has only one page.

rM Hacks Documentation QuickTools

QuickTools Configuration (new in 0.0.9)

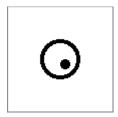
QuickTools bar

Add new tool shortcuts. Swipe up to show or hide the bar. Double tap to remove a tool.



QuickTools button in toolbar

Add a new button for QuickTools after the redo button.



QuickTools is horizontal on top

If true, QuickTools is horizontal on top, otherwise it will be vertical below or next to the toolbar.

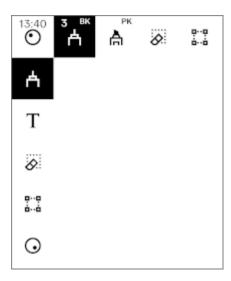
The image above shows the horizontal orientation. Below is the vertical.



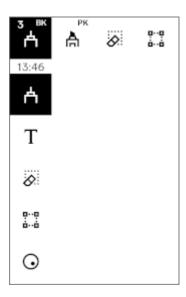
QuickTools as header (when QuickTools is horizontal)

Replace the toolbar toggle with the QuickTools bar (in horizontal mode).

When this setting is off, the QuickTools bar shows to the side of the toolbar toggle.



When this setting is on, the QuickTools bar overlays the toolbar toggle.



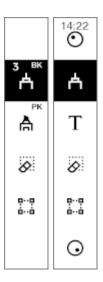
QuickTools hides behind the toolbar (when QuickTools is vertical)

When the toolbar is toggled on, have QuickTools stay hidden behind it until called.

When this setting is off, hiding and un-hiding the toolbar will not remove the QuickTools--they will keep showing as below.



When this setting is on, the QuickTools will keep showing when you hide the toolbar (first image), but when you un-hide it, the QuickTools will stop showing (second image).



QuickTools details

Show the stroke size and color details on each tool button. When this setting is off, only the tool icon displays.



When this setting is on, the details appear above the icons.



rM Hacks Documentation Pen Button Actions

Stylus Configuration (new in 0.0.9)

Enable additional stylus support

Adds support for various click patterns and behaviors for the stylus button and eraser.

Click, Double click, Triple click:

- Off
- Und

0

- Fineliner tool
- Selection tool
- Highlighter
- tool Tool
- switch Color switch



rM Hacks Stylus Configuration

Enable additional stylus support



Adds support for various click patterns and behaviors for the stylus button and eraser.

Click



Color switch

Double Click



Press and Hold



Triple Click



Press and Hold:

- Off
- Erase

r

- Selection eraser
- Selection tool
- Highlighter tool
- Color switch



rM Hacks Stylus Configuration

Enable additional stylus support



Adds support for various click patterns and behaviors for the stylus button and eraser.

Click



Double Click



Triple Click



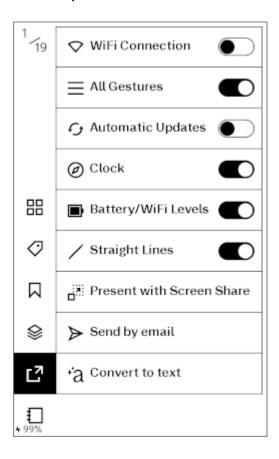
Press and Hold



rM Hacks Documentation Document-Level

Settings

When you enable Document-level toggle buttons, more entries appear in the Export / Share menu.



This allows you to toggle these settings without leaving the document.

- WiFi Connection
- All Gestures
- rM1 Buttons (rM1
- only) Automatic
- Updates Clock
- Battery/WiFi Levels
- Straight Lines

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