

Hacker Advanced Settings Explained

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OTA - Over the Air Updates

With Version 3.0, we introduce OTA update possibility.

To use OTA you have to have at least Version 3.0 of the firmware installed.

- Download the latest release
- Log into the Wi-Fi provided by the Hacker Device
- Go to <http://192.168.4.1/update>
- upload the bin File you want to install
- There might be a "no Connection" error on the Screen. That's fine, the Wi-Fi will be gone because of the update.
- After the upload, wait for the device to reboot (known by the vibration, which takes about 20 seconds)
- You have to reconnect to the Wi-Fi.
- If the Web App looks weird, please reload the page (close the Web App and reopen it)

New Features

General usage

In case there are no Access points around, the device tries to find some for some time (up to 40 seconds) and then gives up. It then vibrates once for 1 second (longer than normal) before it vibrates twice when ready, also when opening the Web App it will try to get the Access points in the area for displaying them at the reveal. So it might take some time again. It will vibrate for once long if there is no Wi-Fi around.

If there is no WI-FI's at all, rethink if the trick will be strong and is worth performing.

Available in Advanced Settings Mode

Export of Settings and Words

At the bottom of the Settings and Words section in the Web App, you can export a JSON File.

For the Words file, this is handy, because you can edit it on your computer for your needs. The Settings file can be used to restore your favorite Settings after installation of a new version.

Import of Settings and Words

At the bottom of the Settings and Words section in the Web App you can import a JSON File. You can search for a file via the Button.

Importing Words

After clicking the import Button, the Import will start. It is finished when you can see your new Words in the list. The Saved Messages come a bit too early.

Importing Words for Booktest

You can import a Words JSON with up to 999 Words.
After the import, the words will NOT show up in the List!!!

Importing via Text field

With Version 3.0 there is a Textarea where you can paste a word list

Exporting via Text field

You also can export the Words to that Textarea to insert the words to a Spreadsheet. But this might be done with a Computer which is also connected to the internet via Cable. To have an internet connection while connected to the Hacker Wi-Fi.

Importing Settings

After clicking the import Button, the Import will start. It is finished when the Saved Messages will come.

After importing, it might be that the PIN Entry will not work. Just restart your device.

Book test

You can now reveal up to 999 Words.

In the Settings, you can activate the Booktest Mode. If this Mode is active, you can import a JSON with up to 999 Words. This takes place in the Words Section.

The Words for the Pages will be gone when the Web app is reloaded or the device is restarted.

It will only be present in the Working Storage of the Device.

To enter a Page number via the PIN entry, just start with the Number 9 followed by the page number you want to reveal.

Remember to deactivate the Booktest Mode, if you want to reveal an "alphabet" Word.

HID Support

If you activate the HID Support in Settings, you can enter the PIN via a Bluetooth keyboard or any device that will act as a keyboard like Illuminati Thumper 2.

Just enter a Number and Press Enter. The Broadcasting will start.

To end sending the beacons, press Backspace. It will stop the broadcast without the need to click on the Screen.

Activating this feature may lead to Problems with entering an SSID into the PIN field directly, because of interpretation of the Enter and Backspace key.

Rostami Clockswipe Support

With Version 3.0 you can use this mode to enter Cards with the Rostami clock face swiping method.

Either on Screen or with a remote control.

These modes start with a black screen with a little white dot in the top left corner. You can swipe and will get a vibration of the device if the swipe is registered. If the Card is entered, sending will start automatically, and you will get noticed by vibrations.

To stop sending, make a DoubleClick on the screen or with the remote.

To see the Screen, again, just DoubleClick.

Sending of Wi-Fi will start automatically if the card is fully entered. To stop sending, just double-click in the middle of the remote or on the Screen.

Then you can immediately enter a new card.

Rotate Clockswipe Remote

If you want to hold the remote upside down, activate this feature.

Multichannel Broadcasting

If enabled, beacons will be sent on multiple channels, If disabled, channel 1 is used.

Enabling will hopefully help with seeing the Wi-Fi's on Android phones. Channel 1 seemed to

be the best choice with iPhone 15 phones. This Channel is also within the multichannel broadcast

Broadcasting after a time delay

Enabling this feature will allow you to delay the broadcast of the Beacons after a settable amount of time.

Eg: You set the delay to 60 seconds. Then you enter a pin and press "Emergency" or "OK". The Broadcast will start after one minute.

You can set a time to vibrate before broadcasting the beacons. Then the device will vibrate (for example 5 seconds) before the Broadcast starts.

Enable or Disable Vibrations

Vibrate on startup

If enabled, the Device will vibrate once when you turn the power on.

Vibrate when ready

If enabled, the Device will vibrate twice when the setup is done, and you can connect to its Wi-Fi. (Will take approx. 8–10 seconds after turning on).

Use the hacker device as a thumper

The device can act as a thumper device and will vibrate the Morse code of the inserted Word or Number.

Enter the Word in the "Enter PIN" field and click "Emergency" or "OK". To just send one vibration as a thumper, use the letter "e" for a short or the letter "t" for a long vibration.

Reverse the PIN entry

If in your language it makes sense to reverse the input of the Value and Suit you can enable this feature in the settings.

You then can input the Suit first (starting with 0) followed by the Value ex. 0312 --> Queen of Clubs

Broadcasting multiple SSIDs

If you enable "Multi Broadcast" in the Settings, you will send Wi-Fi's for each Word in your Word List.

Normally, they will appear in Alphabetic Order on the Spectator's Phone, so maybe add a prefix.

They should be sorted in this order:

0 9 ! " # \$ % & () * + , - . / : < > ? @ [\] ^ _ ` a A z Z { | } ~

Please do not use a semicolon, that will lead to problems.

To broadcast multiple Names, enter anything as PIN and start sending.

If you want to send only one Card or Word, you have to disable Multi Broadcast again.

If you have the placeholder \$ph in your Words list, you can enter a card via PIN or anything via Keyboard at the PIN field. This will replace the \$ph placeholder and broadcast this.

NOTE: The SSIDs can be only 30 Characters long!

Send SSID on startup

With Version 3.0, there is the option to send a Wi-Fi directly after the start of the device.

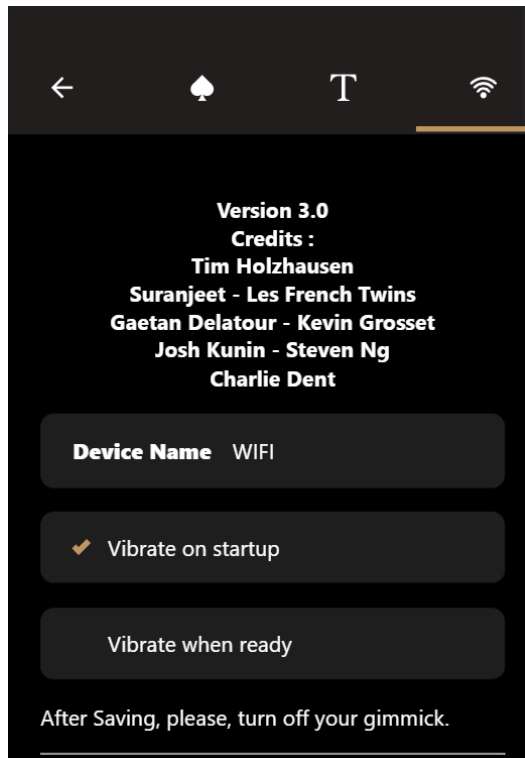
The device will then vibrate 4 times when it starts sending. You can enable this feature in Settings and also enter a Wi-Fi name to send.

The device will stop sending, when you connect to its (Hacker) Wi-Fi and open the Web App (or Webpage 192.168.4.1)

You then can use it as normal.

Settings

General Settings



Device Name

The SSID the device will provide to connect to.
The Password will always be HACKER1234

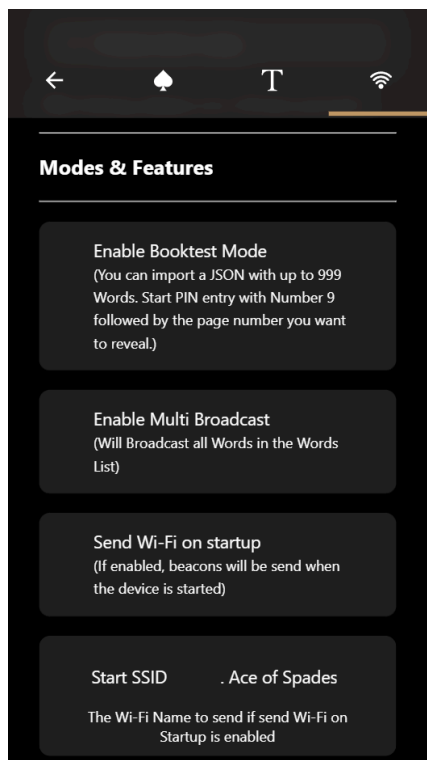
Vibrate on startup

If enabled, the Device will vibrate once when you turn the power on.

Vibrate when ready

If enabled, the Device will vibrate twice when the setup is done, and you can connect to its Wi-Fi. (Will take approx. 8–10 seconds after turning on).

Modes & Features



Booktest Mode

If this Mode is active, you can import a JSON with up to 999 Words. This takes place in the Words Section. An Example pages.json can be found in the "Settings and Words" Folder on GitHub.

The Words for the Pages will be gone when the Web app is reloaded or the device is restarted. It will only be present in the Working Storage of the Device.

To enter a Page number via the PIN entry, just start with the Number 9 followed by the page number you want to reveal.

Remember to deactivate the Booktest Mode, if you want to reveal an "alphabet" Word.

Multi Broadcast

If you enable "Multi Broadcast" in the Settings, you will send Wi-Fi's for each Word in your Word List.

They will appear in Alphabetic Order on the Spectator's Phone.

To broadcast multiple Names, enter anything as PIN and start sending.

If you want to send only one Card or Word, you have to disable Multi Broadcast again.

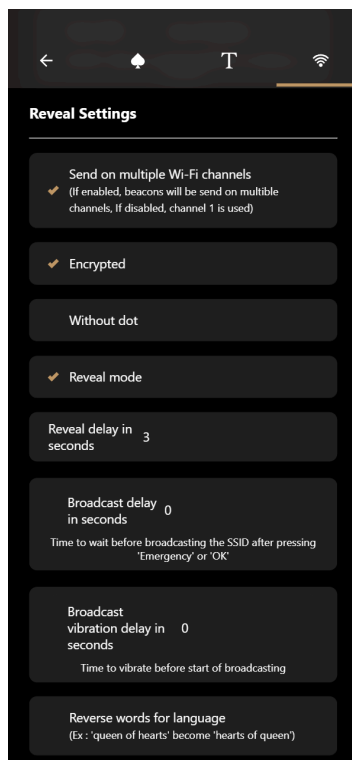
Send Wi-Fi on Startup

If enabled, beacons will be sent when the device is started

Start SSID

The Wi-Fi Name to send if send Wi-Fi on Startup is enabled

Reveal Settings



Multichannel Broadcasting

If enabled, beacons will be sent on multiple channels, If disabled, channel 1 is used.

Encrypted

The SSID('s) that will be sent are encrypted to look hacker like

Without dot

The SSID('s) that will be sent will not have the dot in front. The dot will sort the SSIDs at the beginning of the List of Wi-Fi's on the spectator's phone

Reveal Mode

If turned on this enables the 'Glitch' reveal whereby

Reveal delay

The number of seconds after pressing the "Wi-Fi" section on the screen, before the glitch will start. Since V1.12 if the delay is set to more than 3 seconds you will be secretly notified when the glitch is about to start. 3 seconds before the reveal begins, a new Wi-Fi network

will appear at the top of the list called Netgear321. This allows you to time a magic moment to the reveal.

Broadcast delay

Time to wait for seconds before broadcasting the SSID after pressing 'Emergency' or 'OK'

Broadcast vibration

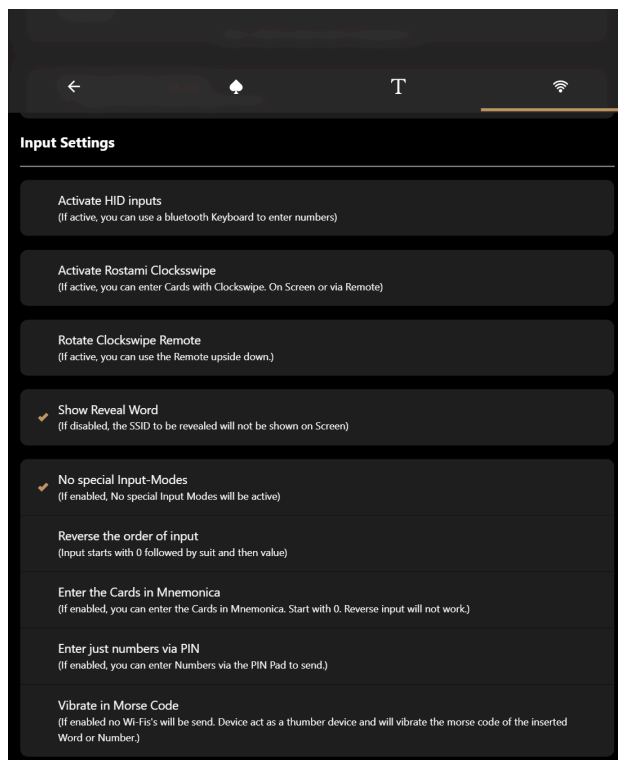
Time to vibrate before the start of broadcasting. Must be smaller than Broadcast delay

Reverse words for language

Will reverse the order of Suit and Value of the Card if that fits your language better.

Ex: "Queen of Hearts" will become "Hearts of Queen"

Input Settings



HID input

If enabled, you can input the numbers via a Keyboard or tumber device (Numbers 0-9, Backspace and Enter)

Activate Rostami Clockswipe

If active, you can enter Cards with Clockswipe. On Screen or via Remote

Rotate Clockswipe Remote

If active, you can use the Remote upside down.

Show Reveal Word

If disabled, the SSID to be revealed will not be shown on the Screen. In this case, the Numbers you entered will be shortly shown in the Dots.

No special Input-Modes

If enabled, no special Input Modes will be active.

Reverse the order input

When enabled you can input the Suit first (starting with 0) followed by the Value ex. 0312 --> Queen of Clubs

Enter the Cards in Mnemonica

If enabled, you can enter the Cards in Mnemonica. Start with 0. Reverse input will not work if enabled.

Enter just numbers via PIN

If enabled, you can enter Numbers via the PIN Pad to send.

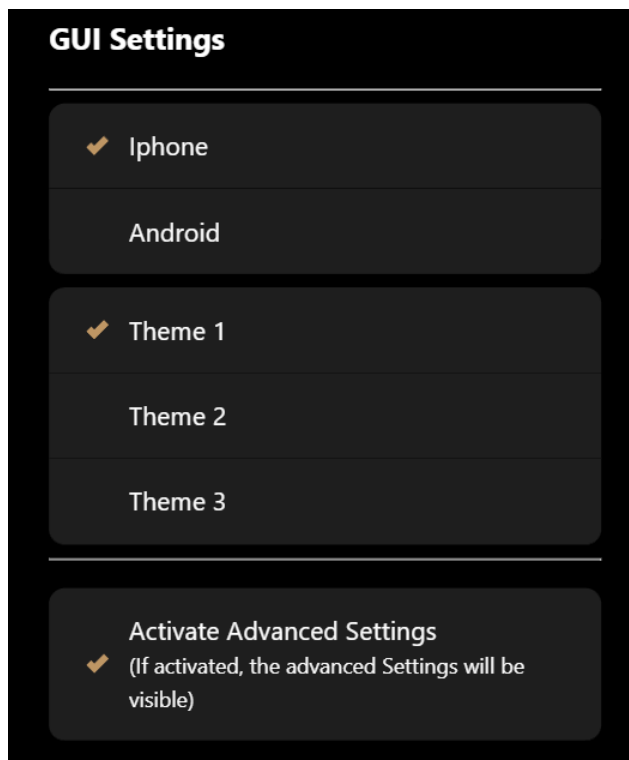
Vibrate in Morse Code

If enabled, no Wi-Fi's will be sent. The device acts as a thumper device and will vibrate the Morse code of the inserted Word or Number.

Enter the Word in the "Enter PIN" field and click "Emergency" or "OK".

To just send one vibration as a thumper, use the letter 2 for a short or the letter t for a long vibration.

Gui Settings



Change the Look of the PIN Entry

Activate Advanced Settings

Switch between the normal and the advanced Mode
In Advanced Mode, there are more features included.