



ViewPlus Tiger Box

User Manual

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This user manual applies to ViewPlus Tiger Box, as well as APH PIXie, and Irie-AT GoBraille devices.

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I. Introduction

I.A. Preface

Welcome to ViewPlus Tiger Box, an AirPrint compatible wireless print server for current VP embosser models, including VP EmBraille, VP Cub, VP Max, VP SpotDot, VP Columbia, VP Delta, VP Premier, and VP Elite.

Connect your embosser to Tiger Box to send text from mobile devices for text to Braille translation and embossing. It will work with mobile devices running iOS, or Android operating system, utilizing Airprint protocol. It is recommended to use Android version 6 or higher when printing through Tiger Box.

Tiger Box will produce translation of standard text to Braille on the fly according to user preference settings for language, Braille type, and page layout. Only true text information will be translated to Braille. Tiger Box will also enable to emboss tactile graphics.

Wi-Fi Direct mode

Wi-Fi Direct provides a direct wireless connection to your ViewPlus supported embossers that allows you to print without joining a local network or connecting to the Internet. When you activate Wi-Fi Direct on your embosser, you can securely print documents from most Wi-Fi-capable computers and mobile devices. The technology is similar to Bluetooth, but uses Wi-Fi to work at greater distances and faster speeds.

Wi-Fi Network mode

Tiger Box can also be configured to work in Wi-Fi Network mode where it can be configured as a client to another accessible wireless network. The advantage of Network mode is, that you can print content directly from the internet if the host network allows internet access. And, the embosser connected to Tiger Box will also be accessible for Braille printing from any PC or other device connected to the same host network.



Keep up to date by checking the ViewPlus Technologies, Inc. web site at:
www.ViewPlus.com

I.B. Specifications

Operating Systems	Android 6+, iOS, Windows 7, 8, 8.1 or 10
Network	10/100 MBps Ethernet, 802.11n Wireless Lan, Bluetooth 4.0
Connections	Ethernet, WiFi Direct, WiFi Network
Security	WPA2

II. VP Tiger Box Setup

II.A. Hardware Setup

The hardware for your Tiger Box is easily setup with these simple steps:

1. Insert the micro USB plug of provided power cable to Tiger Box, and plug in the power plug to a power wall outlet (or extended wall outlet).
2. If you are planning to setup Tiger Box in Network Client mode to an existing local area network, connect it to the corresponding router using ethernet cable.
3. Connect your ViewPlus embosser to Tiger Box using a standard USB device cable. Please note that only one of the four accessible USB ports will be active, but it is your choice which one you occupy.

Tiger Box will boot upon power connection. The red LED light should turn on steady. The green light should be blinking, indicating proper Wi-Fi function.

NOTE: The USB stick included in delivery, serves as reset dongle. Please keep it safe and don't use it for any other purpose. See section II.D for further instructions on using the USB dongle.

Multiple Tiger Boxes in the same area?

If you are planning to run multiple Tiger Boxes within the same local area, please make sure to power on any next Tiger Box only after changing network configuration of the previous one. If leaving in Wi-Fi Direct mode, set a unique SSID for each Tiger Box to identify itself. When running in Network Client mode, set a unique hostname for each Tiger Box. Please see section II.C. below for further information.

II.B. Software Setup

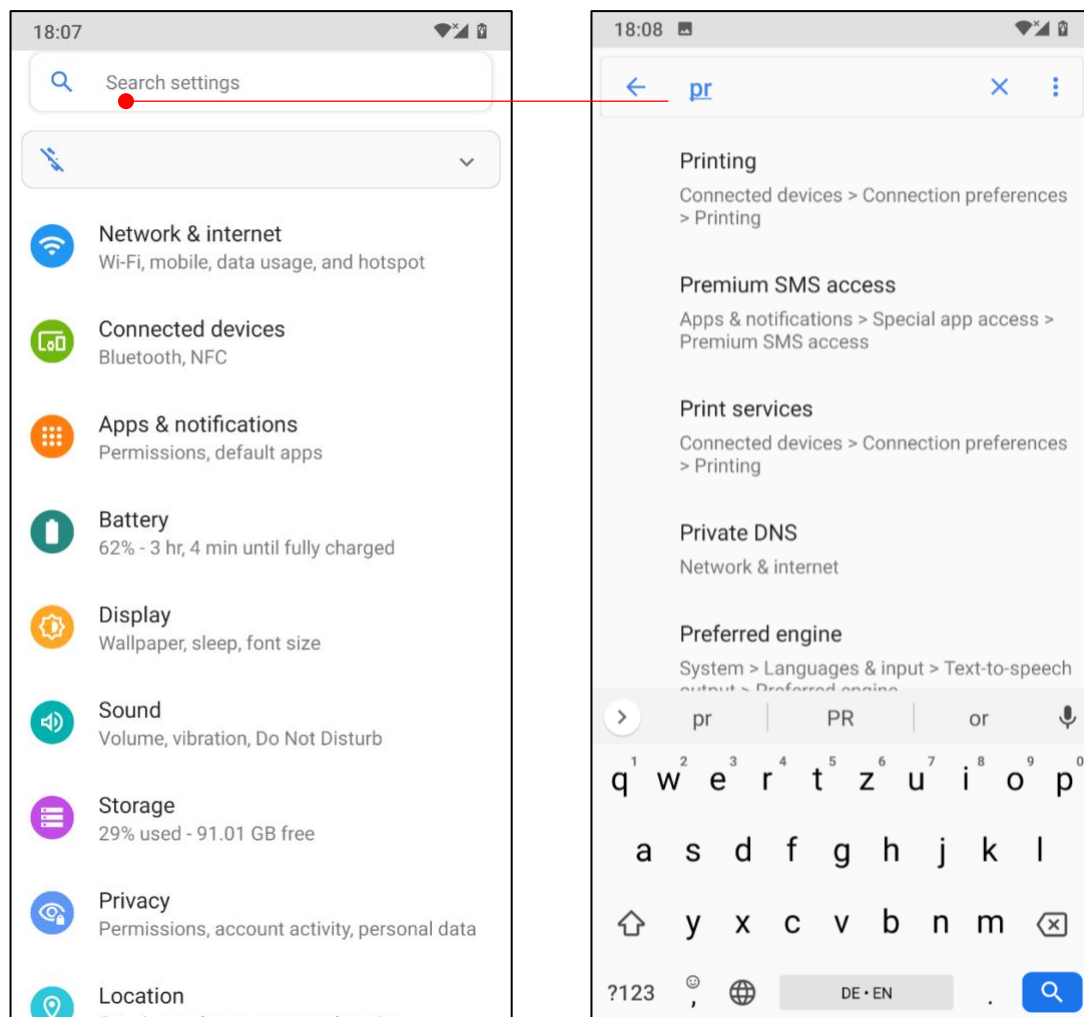
II.B.1. iOS Mobile Devices

No specific software setup is needed on iOS mobile devices to be able to print wireless to your ViewPlus embosser @ tigerbox.

II.B.2. Android Mobile Devices

On Android devices, it might be necessary to explicitly switch printing services ON. Therefore follow instructions below.

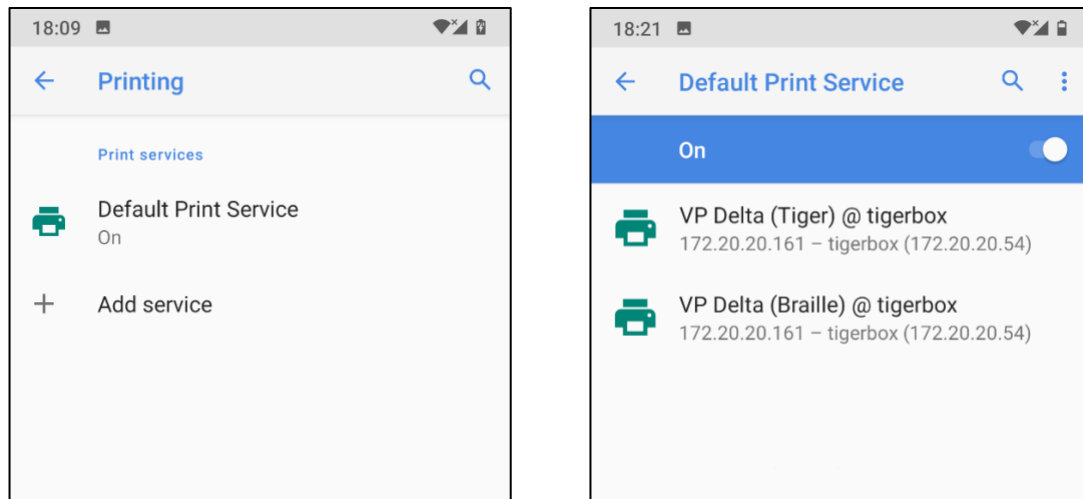
1. Go to device settings and start typing "print" in search bar. From search results, select item 'Print services'.



Looking for print service within Android settings

2. The next screen will show 'Default Print Service' turned On, or Off. It needs to be 'On'. To turn it on, select it to get to the next screen.
3. On the next screen for 'Default Print Service', you will find a toggle switch for turning the service On, or Off. It needs to be turned 'On'.

Also within this screen you should see a list of available printers. If you just turned the service on, it might take a minute for available printers to show. This list should include two instances of your ViewPlus embosser @ tigerbox. The purpose of these two instances, which we refer to as 'Tiger' instance, and 'Braille' instance of the ViewPlus printer is explained further in section III.D below.



Default print service in Android settings

III.B.3. All Devices

Depending on your network configuration, a network discovery app (e.g. Fing) might be convenient for the purposes of finding Tiger Box IP address when configured in Network Client mode. This user manual will point out situations where this could be useful.

Please also note, that the capability to print through Tiger Box from your mobile device depends on printing capabilities of the application from where you would like to print.

II.C. Network configurations of Tiger Box

After initial hardware setup, Tiger Box provides its own direct Wi-Fi network. See section II.C.1 below to learn how to access Tiger Box user interface in this case.

The configuration can be changed within Tiger Box user interface to setup Tiger Box as a client to an existing wireless local area network. See section II.C.2 below to learn how to perform this switch.

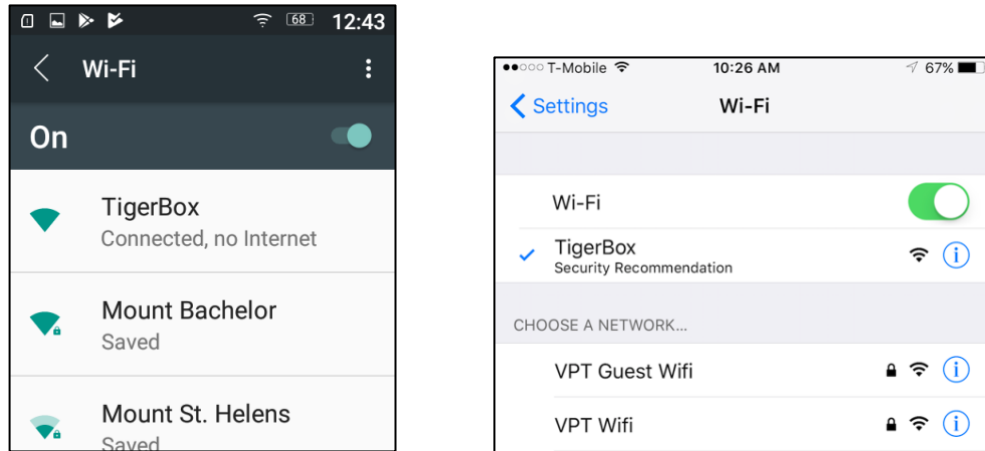
Additionally, Tiger Box can be connected via ethernet cable to an existing network structure. This wired connection performs parallel to wireless connection whichever wireless configuration you choose. See section II.C.3 for more information about this.

II.C.1. Connecting to Tiger Box Direct Wi-Fi and accessing user interface

Tiger Box is hosting direct Wi-Fi named 'TigerBox' by factory default. As long as Tiger Box is configured to Wi-Fi Direct mode, you will need to connect your mobile device, or PC, to this Wi-Fi in order to access user settings and configurations for wireless printing, and to print to the connected embosser.

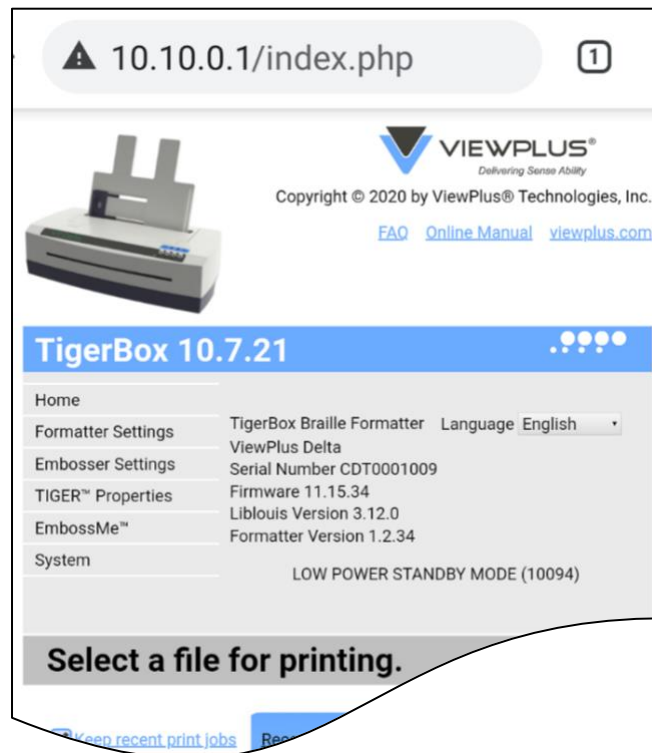
Interface screens of different devices may vary from screen shots below, but in general these are the steps to take for connecting to Tiger Box Direct Wi-Fi, and to access network configuration settings.

1. Open settings on your mobile device and select Wi-Fi. A list of known networks should appear.
2. Select 'TigerBox' network and connect.



Screenshots of connecting to TigerBox Wi-Fi

3. Your device will notice that 'TigerBox' has no internet access and might try to connect to a different Wi-Fi network instead. You may need to acknowledge that you want to stay connected, and possibly also need to select 'forget other networks' and turn off mobile data.
4. When successfully connected to 'TigerBox' Wi-Fi network, open your preferred web browser application and enter "http://10.10.0.1" for Tiger Box dedicated IP address, or URL "http://tigerbox" within the address line. A page as shown in following picture will open.



Tiger Box user interface Home page

5. This is the 'Home' page of the Tiger Box user interface application within your web browser.

Depending on the ViewPlus embosser model that you have currently connected to your Tiger Box, printer specific information will be displayed. Without any embosser connected to Tiger Box, it will show embosser information to not be available.

Within the header section of Tiger Box user interface application you find links to the FAQ section of ViewPlus online knowledge base, and to the online version of this user manual, as well as a link to the general ViewPlus company web page.

Language: Within center section to the right you find the 'Language' selection. This is referring to the display language within this user interface. Choose your preferred language from the drop-down list box.

Menu items: On the left you find menu items that will bring you to different settings pages of the Tiger Box user interface. Following items are available: 'Home', 'Formatter Settings', 'Embosser Settings', 'TIGER™ Properties', and 'System'.

If you are using an additional USB flash drive as file repository as explained in section III.E.2. and III.E.3. below, you will find additional item 'EmbossMe™' between 'TIGER™ Properties' and 'System'.

Go to 'System' for Wi-Fi Direct, or Wi-Fi Network Client configuration settings.

6. The System page offers options to change wireless configuration between Wi-Fi Direct and Wi-Fi Network Client operating mode.

Additionally, the system page offers options to change wired LAN configuration when connecting to a router via Ethernet cable. See more information in section II.C.3. below.

At the bottom of the system page you also find a 'Refresh' button to refresh display of values after any change, as well as a button to check for updates on Tiger Box.

Please note, that internet connection is required when performing 'Check for Update'.





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[FAQ](#) [Online Manual](#) [viewplus.com](#)

TigerBox 10.7.21

Home	TigerBox Braille Formatter	Language English ▾
Formatter Settings	ViewPlus Delta	
Embosser Settings	Serial Number CDT0001009	
TIGER™ Properties	Firmware 11.14.33	
EmbossMe™	Liblouis Version 3.12.0	
	Formatter Version 1.2.34	
System	LOW POWER STANDBY MODE (10094)	

Main Settings

TigerBox Hostname:

Wireless LAN Configuration

☐ WiFi-Direct
 ☒ Connect to another Network

Available Networks: <Select one> ▾

SSID:

Passphrase:

Connected to WLAN (Fanghorn)
 IPv4 Address: 172.20.20.156

Print queues on WLAN:
 Braille / Generic Text: <http://172.20.20.156:631/printers/braille>
 TIGER™: <http://172.20.20.156:631/printers/tiger>

Wired LAN Configuration

☒ DHCP
 ☐ Static

IP Address:

Subnet Mask:

Gateway:

Name Server:

Print queues on LAN:
 Braille / Generic Text: <http://172.20.20.54:631/printers/braille>
 TIGER™: <http://172.20.20.54:631/printers/tiger>

This is the section of the System page, where wireless configuration can be changed between Wi-Fi Direct and Wi-Fi Network operating mode.

This section is used for wired LAN configuration when connecting to your router via Ethernet cable.

Tiger Box user interface System page

Main Settings

TigerBox Hostname:

Wireless LAN Configuration

☒ WiFi-Direct ☐ Connect to another Network

SSID:

Passphrase:

(Network has no security when passphrase is empty. Passphrase needs to be at least 8 characters long.)

Providing WLAN Network (TigerBox)
IPv4 Address: 10.10.0.1

Tiger Box main settings in WiFi-Direct mode

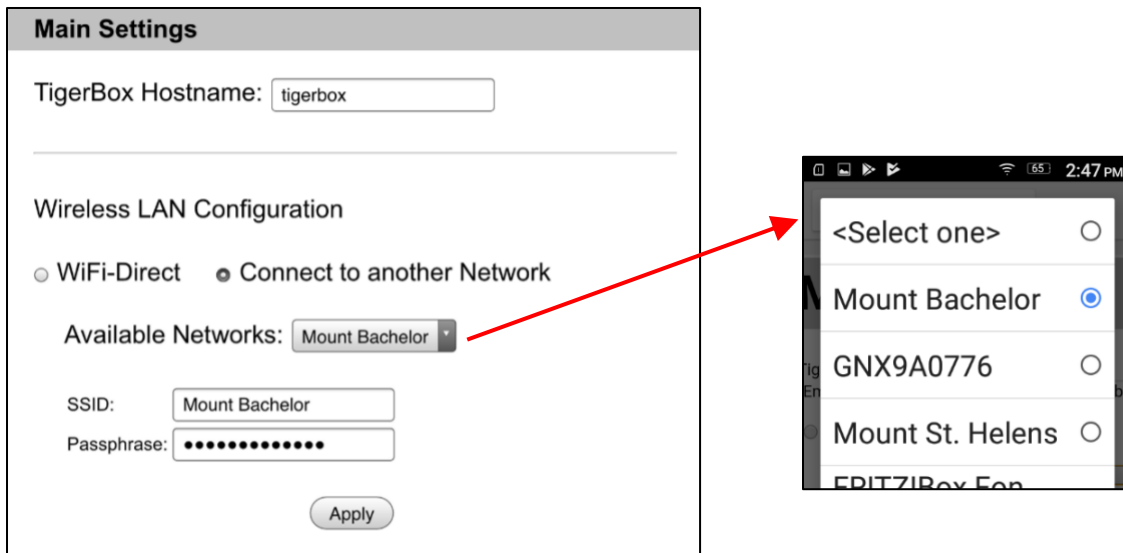
7. In Wireless LAN Configurations, Tiger Box will initially provide Wi-Fi direct network with SSID 'TigerBox' and no password. If you like, you can secure TigerBox direct Wi-Fi by entering a passphrase (password).
8. You may also change SSID, for example to differentiate between multiple Tiger Box devices in Wi-Fi Direct mode.
9. Select 'Apply' to save any changes made within main settings.
10. Make sure to remember SSID and passphrase to be able to connect to Tiger Box again at any later time.

II.C.2. Switching between Wi-Fi Direct and Wi-Fi Network Client mode

You may switch configurations to run Tiger Box in Network Client mode. The advantage of the network client mode is that you have access to all data provided through the host network (internet), and at the same time you can use all wireless printing features through Tiger Box. Alternatively to using Wi-Fi network client mode is to connect Tiger Box to another network via Ethernet cable. See section II.C.3 below for further information on this option.

Follow the steps below to connect Tiger Box in Wi-Fi network client mode to another network.

1. Select radio button 'Connect to another Network' within Main Settings of System page.



Tiger Box main settings in Wi-Fi network client mode

2. A selection box will appear to choose one of the available networks to serve as host for Tiger Box in Network Client mode. Select your preferred local network from the list.
3. SSID of the selected network will show in edit fields below. Enter the passphrase (password) for access to the selected network.
4. You may also change hostname of your Tiger Box, for example to differentiate between multiple Tiger Box devices connected to the same network.
5. Upon selecting 'Apply' Tiger Box will switch to Wi-Fi network client mode.

Note: Current webpage user interface will not respond anymore as soon as Tiger Box is switched to network client mode.

Be aware that from now on you will need to **connect to** the just selected **host network** and **know its passphrase** to be able to access Tiger Box user interface again, or to print through Tiger Box. (See section II.C.4. below.)

Connection to the host network might happen automatically, because your device remembers that network, but still a restart of the browser window might be necessary, or even a power cycle of Tiger Box. Tiger Box user interface needs to be called by given Tiger Box hostname, or its IP address (see section II.C.4. below).

If you are planning any changes to the host network (SSID, passphrase), or are planning to move Tiger Box out of reach of current host network, please reset Tiger Box to Wi-Fi Direct mode first, and afterwards re-configure to Network Client mode with new properties. Otherwise Tiger Box will not be able to connect to the network anymore, and consequently it will not be accessible anymore for printing.

If for whatever reason, access to Tiger Box is not possible anymore through any device connected to the same host network, a hardware reset will be required as described in section II.D below.

II.C.3. Adding Tiger Box to wired local area network via Ethernet cable

Tiger Box can be connected to an existing local area network via ethernet cable between Tiger Box and network router.

From the DHCP server an IP address is assigned to Tiger Box. This IP address will change periodically. To know current IP address of Tiger Box in wired LAN connection, you have the following options.

1. The network administrator will be able to access current IP address from the server settings.
2. Use a network discovery app, for example 'Fing'.
3. Connect an active speaker to Tiger Box audio connector, make sure speaker volume is turned on, and power cycle the Tiger Box (unplug power cable, plug back in). The Tiger Box will give an audio message upon start-up including IP addresses for both, wireless as well as wired LAN connection.

You can switch from DHCP to static IP address within Tiger Box user interface 'System' page if desired.

The wired LAN connection will always add Tiger Box in network client mode to the existing LAN structure. If you can dial in to this local area network with your mobile device, you will see the embosser @ tigerbox in list of available printers, thus wireless printing is possible.

The Tiger Box wireless configuration is independent of the configuration for wired connection, so at the same time, where Tiger Box is visible within network provided by the local router, it can still provide its own Tiger Box Wi-Fi Direct host network.

II.C.4. Accessing Tiger Box user interface when connected to another network

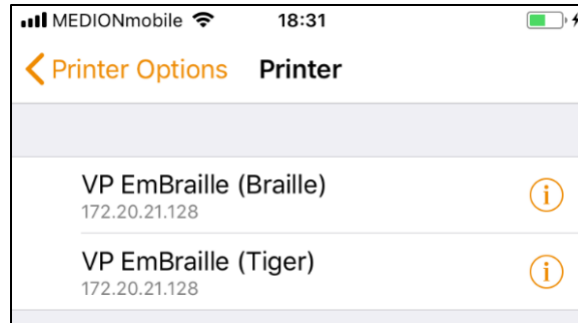
After Tiger Box was switched to Wi-Fi Network Client mode by choosing to connect to another Network in Main Settings under System section of Tiger Box user interface, you will need to connect to the specified network to gain access to Tiger Box again.

1. Open settings on your mobile device and select Wi-Fi. A list of known networks should appear.
2. Select the network that you specified in 'Connect to another Network' in Tiger Box settings.
3. To access Tiger Box user interface, you need to know the Tiger Box hostname, or its IP address.

The hostname is 'tigerbox' by default, but you might have changed it as described in point 4 of section II.C.2. above. Enter "<http://<hostname>>" ("<http://tigerbox>" by default) in your web browser address line to access Tiger Box user interface.

Depending on router capabilities it might not work to accomplish connection trying to call through hostname. In this case you will need to enter the IP address of Tiger Box in your web browser address line, like "<http://<ipadress>>" (for example "<http://172.20.21.128>").

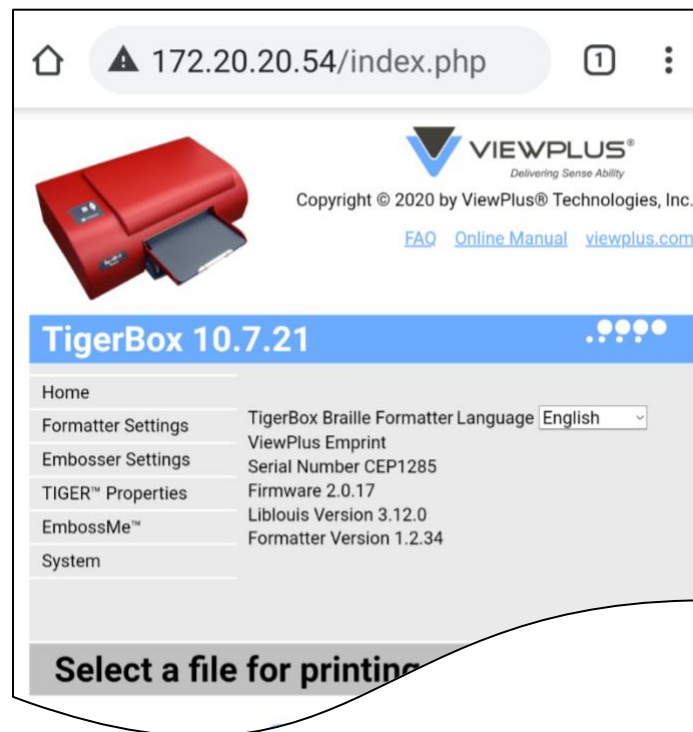
When using iOS, or newer Android mobile devices, the IP address can easily be found by going to the print option of some app and looking up the list of available printers. Along with the name of the Tiger Box printer, the IP address will be given.



iOS available Tiger Box printers with IP address information

A free network discovery app (e.g. Fing) can also be used to find current IP client address of Tiger Box. This app will find all devices connected to the network that your mobile device is connected to currently. Find Tiger Box, or whatever the given hostname for Tiger Box is, in the list of Devices and see corresponding IP address paired with this name.

4. If you are getting a warning message when accessing Tiger Box user interface through IP address for the first time, please select to trust the host.
5. The Tiger Box user interface still looks the same as in Wi-Fi Direct mode.



Tiger Box user interface Home page this time with Emprint SpotDot connected

Please find description of all items that are relevant in conjunction with printing through Tiger Box explained in chapter III. below.

If for whatever reason, access to Tiger Box is not possible anymore from any device connected to the same network, a hardware reset will be required as described in section II.D below.

II.D. Hardware Reset to Wi-Fi Direct Mode

You might run into situations where Tiger Box is configured to Wi-Fi Network Client mode, but connection to the previous host network is not possible anymore. Without the connection to the host network, it will not be possible to access Tiger Box user interface to change any configuration settings.

In this case follow these easy steps to perform a hardware reset of your Tiger Box which will result in Wi-Fi Direct operation and thus provide direct access to Tiger Box Wi-Fi again.

1. Make sure to power Tiger Box OFF.
2. Plug in the USB dongle which was delivered with your Tiger Box.
3. Power Tiger Box ON.
4. Wait a minute.
5. Power Tiger Box OFF again.
6. Take out USB dongle.
7. Power Tiger Box ON again and check if it is running in Wi-Fi Direct mode again by trying to connect to it via mobile device.
8. If Tiger Box is not available for Wi-Fi Direct connection, repeat steps 1 through 7 and wait a little longer in step 4.
9. When connecting successfully to Tiger Box direct Wi-Fi, browse to the user interface home page to change to desired configurations again as explained in document sections above.

III. Printing to ViewPlus embosser @ tigerbox

III.A. Settings for printing Text documents

If you want to print text that still needs to be translated to Braille when printing through Tiger Box, your choices from 'Formatter Settings' and 'Embosser Settings' of Tiger Box user interface will be taken into account. Please find all items from these user interface sections explained below.

III.A.1. Formatter Settings

At the top within Formatter Settings you will find **TigerBox License, and Hardware ID**. This is manufacturer's serial number information and has nothing to do with text to Braille translation results, but might be needed in rare occasion when contacting ViewPlus support in regard to a technical problem with your Tiger Box.

The screenshot shows the 'Formatter Settings' dialog box. At the top, it displays the 'TigerBox License' as 1590670868152795 and the 'for Hardware ID' as 40:51:28:2c:ec:06. Below this is a horizontal line. The 'Braille Language' is set to 'English (Unified)' in a dropdown menu. A blue link 'Braille Table and Screen Font' is present. There are two radio button options: 'Pass Text through (No formatting)' and 'Convert Text to Braille Ready Format (BRF) according to settings below', with the latter being selected. Under the selected option, 'Braille Grade' is set to 'Grade 1'. 'Paper Size' is 'A4' (8.25 x 11.65 Inches / 20.96 x 29.59 cm). 'Chars Per Line' is 31 (of max. 31 - Margins) and 'Lines Per Page' is 22 (of max. 27). 'Interpoint' has three radio buttons: 'Never', 'Let App decide', and 'Always', with 'Always' selected. 'Page Numbering' is set to 'None'. 'Interline Text' is set to 'Above'. 'Font' is 'Aerial', 'Size' is 12, and 'Color' is a dark blue/black swatch. An 'Apply' button is at the bottom right.

Tiger Box user interface Formatter Settings

Braille Language: The Braille table of the language defined in this field will be applied to translate text to braille with embosser output.

Link 'Braille Table and Screen Font': This Link will bring up controls to install Braille table of selected Braille Language on connected embosser, or to download and install corresponding screen fonts to the computing device you are currently using.

If you are planning to send Word files for printing that have been translated through Tiger Software Suite previously, the installation of corresponding screen font is necessary to receive correct Braille dot placement on output. These files would be send for printing through Tiger instance of VP embosser (see section III.D).

Besides providing these controls, the Braille table of currently selected Braille Language is also being displayed on screen.

Next below this link you find a radio control with two options:

- **Pass Text through (No formatting):** In this case text characters are converted to corresponding Braille code of their ASCII value, applying the Braille table chosen with '**Braille Language**' setting. No further formatting of the document will occur, but Embosser Settings will apply for actual Braille output.

OR

- **Convert Text to Braille Ready Format (BRF) according to settings below:** In this case the whole document will be formatted according to settings below, also applying the Braille table chosen with '**Braille Language**' setting for text to Braille translation.

Braille Grade: Depending on availability for language selected in 'Braille Language' above, a grade of contraction for the resulting Braille code can be chosen here.

Paper Size: The paper size of print media, which is currently loaded to the embosser should be defined. Selecting the name of current paper size setting here will bring you directly to paper size selection under Embosser Settings.

Chars per Line: Depending on paper size, and left and right margin settings from Embosser Settings page, the maximum possible number of Braille characters per line will be given to the right. When choosing any number less than the maximum, extra blank space will be created at right margin of embosser output. Link 'Margins' to the right will bring you directly to margin settings under Embosser Settings.

Lines per Page: Depending on paper size, and top and bottom margin settings from Embosser Settings page, the maximum possible lines per page will be given to the right. If choosing any number less than the maximum, extra blank space will be created at bottom margin of embosser output.

Interpoint: You have the choice to

- ***Never*** emboss a document double sided.

OR

- ***Let App decide*** and emboss whatever is send from the App, double or single sided document.

OR

- ***Always*** emboss double sided.

Page Numbering: You have the choice of

- ***None***, which will not include any page numbering in embossed document.

OR

- ***Insert braille page numbers***, which will include Braille page numbers at the bottom right of each page of the embossed document.

OR

- ***Insert braille and print page numbers***, which will add printed numbers to Braille page numbering depending on VP printer model capabilities.

Interline Text: Black print text can be added depending on VP printer model capabilities. You have the choice between

- ***None***, which will not include any print text along with Braille.

OR

- ***Above***, which will include black print text accompanying Braille in position above each Braille line.

OR

- ***On Top***, which will include black text overprinted over embossed dots in each Braille line.

OR

- ***Below***, which will include black print text accompanying Braille in position underneath each Braille line.

Font: Choose the type of font for black print text, either Aerial, Al Arabiya, Tymes, or Veranda. (Font names are based on Windows font names, but due to registered trademarks you see different spelling here.)

Size: Enter a number for desired font size of black print text. Font types differ slightly in size, but for your orientation, print text in size 10 usually fits well in between Braille lines with not extra line spacing, and size 30 is about the height of 6 dot Braille cells.

Color: Select the color field and you will get a pop-up showing all colors available. Pick a color and select 'Set' to confirm your choice.

Apply: Use this button to confirm any change in the settings above. This is essential for changed settings to be applied to any next Braille output.

III.A.2. Embosser Settings

Embosser Settings

Standard settings for the Braille Formatter and Text-Only (Braille) printer driver.
Embosser is visible as 'VP Delta (Braille) @ tigerbox '

Paper Size: Letter
Paper Width: 8.5 Inches (21.59 cm)
Paper Length: 11 Inches (27.94 cm)

Top Margin: 0.25 Inches (0.635 cm)
Left Margin: 0.25 Inches (0.635 cm)
Right Margin: 0 Inches (0 cm)

Extra Line Space: 0 Inches (0 cm)

Graphics Mode: Text
Text Wrapping: Off
Braille Quality: Standard
Braille Dot Height: Normal
Media Type: Braille Paper
Dots Per Character: 6
Braille Spacing: Marburg

Apply

Tiger Box user interface Embosser Settings

Embosser settings are passed on to the embosser and saved to the device to be applied to any following output of embossed Braille on paper.

Paper Size, or Paper Width and Length: You can choose either a predefined paper format from the drop down list, or enter specific paper width and paper length for custom paper size. Please note, that the setting here should conform with physical size of paper loaded to the embosser.

Top Margin, Left and Right Margin: You can enter customized margin settings in inch dimension.

Extra Line Space: The spacing defined here in inches, is being added in between lines, additionally to whatever line spacing the source data will include.

The maximum number of '**Chars per Line**' and '**Lines per Page**' in Formatter Settings is given in dependence to the dimensional page formatting constraints set by these Embosser Settings above.

Graphics Mode: You have the choice of

- **Text**, which will ensure Braille text output with specified line spacing.
- OR
- **Graphics**, which will yield to line spacing being eliminated between lines of Braille code, producing tactile Braille graphics.

Text Wrapping: Turn text wrapping

- **On**, which will make any Braille character exceeding the constraints of printable line width move to the next line.
- OR
- **Off**, which will have any Braille character discarded when exceeding the printable line width.

Braille Quality: Depending on availability on connected embosser, the Braille quality can be set to **Draft**, **Standard**, or **Best**. Please refer to the embosser user manual for more information about these Braille quality modes.

Braille Dot Height: Select **Low**, **Normal**, or **High** to control how tall Braille dots will emboss.

Media Type: Depending on availability for the connected embosser, there will be a choice of media types to choose from. Choose the media type by name that would best match the characteristics of paper material currently loaded to the embosser.

Dots Per Character: Select **6** or **8** dot Braille to be produced.

Braille Spacing: Depending on availability for the connected embosser, you will have a choice of different Braille dot spacings to select by internationally known names.

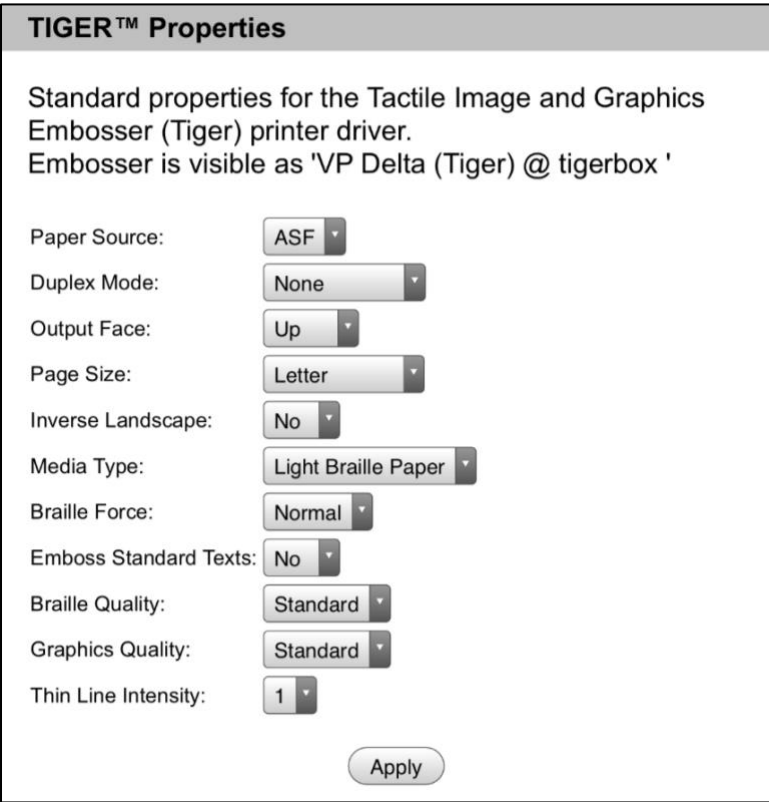
Apply: Use this button to confirm any change in the settings above. The embosser should confirm saving of these settings with one beep.

III.B. Settings for printing documents with Graphics

If you want to print graphical content from any file type, or files that have previously been translated to Braille using Tiger Software Suite, the following settings from Tiger™ Properties section of Tiger Box user interface will be taken into account.

Note: The actual selection of settings and options in Tiger™ Properties depends on the availability for the currently connected ViewPlus embosser, and not all that are described below are shown in screen shot image.

III.B.1. Tiger™ Properties



TIGER™ Properties

Standard properties for the Tactile Image and Graphics Embosser (Tiger) printer driver.
Embosser is visible as 'VP Delta (Tiger) @ tigerbox '

Paper Source: ASF

Duplex Mode: None

Output Face: Up

Page Size: Letter

Inverse Landscape: No

Media Type: Light Braille Paper

Braille Force: Normal

Emboss Standard Texts: No

Braille Quality: Standard

Graphics Quality: Standard

Thin Line Intensity: 1

Apply

Tiger Box user interface Tiger™ Properties

Paper Source: Possible options are **Tractor**, **Manual**, or **ASF**. Tractor is the feeder for continuous paper, manual means feeding one sheet after the other during printing through single sheet feeder input tray, and ASF stands for "Automatic Sheet Feeder" like VP Emprint SpotDot, or VP Delta provide.

Duplex mode: Possible options are **Open to Left**, **Open to Top**, or **None**. Depending on capability of the connected embosser you can choose an option here for double sided embossing. Please note, that tactile graphics will not emboss double sided due to dot density.

Output Face: Select *Up*, or *Down* here. For embosser models that are capable of double sided embosser, this will specify the direction in which dots will protrude from paper on odd pages when exiting the embosser.

Page Size: All available paper sizes for the connected embosser will show. The paper size you choose should match the size of paper physically loaded to the embosser.

Inverse Landscape: Select *Yes*, or *No*. Inverted Landscape will enable banner printing in one piece on endless tractor feed paper.

Media Type: Depending on availability for the connected embosser, there will be a choice of media types to choose from. Choose the media type by name that would best match the characteristics of print media currently loaded to the embosser.

Braille Force: Select *Heavy*, *Normal*, or *Light* for the strength of embossed Braille text dots.

Print Mode: Possible options are *Ink and Emboss*, *Emboss Only*, *Ink Only*, and *2 in 1*. Options for VP SpotDot, or InkConnect. Please refer to the device user manual for further explanation about these print modes.

Emboss Standard Texts: Select *Yes*, or *No*. If chosen yes, this option will cause standard text, that is not translated to Braille, to emboss like a tactile image of the characters.

Braille Quality: This settings effects quality of embossed Braille dots. Since dot quality is influenced by speed and direction of print head movement, a higher Braille Quality setting will cause the print out to take more time. You have the choice between *Standard*, *Normal*, and *Best* Braille quality.

Graphics Quality: This setting effects quality of and density of tactile graphics output. Choose between *Draft*, *Standard*, *Best*, *Tiger17*, and *Tiger20* Graphics quality setting. It might be best to try different settings for certain graphic prints to gain some experience which setting is best for which purpose. As with Braille quality setting, this Graphics quality setting will also influence printing speed.

Ink Quality: Possible options are *Draft*, *Normal*, or *Best*. An adjustment for quality of ink output on VP InkConnect, or VP Emprint SpotDot.

Dry Time: Lists numbers which will refer to drying time in seconds on VP Emprint SpotDot.

Thin Line Intensity: Choose between **1** and **6**. With higher setting, lines will be more enhanced on tactile output.

III.C. Availability of VP embosser @ tigerbox for printing

Printing functionality and procedures in general work the same from Android, or iOS mobile device, and from MacBook, or Windows PC if this is connected to the same network as Tiger Box.

III.C.1. Availability of VP embosser @ tigerbox on mobile devices and MacBook

On mobile devices, and also on MacBook you will instantly have the ViewPlus embosser @ tigerbox available for printing from any app that provides a print command, as soon as you connect to TigerBox network, or Tiger Box host network.

See section III.D below "Printing through Tiger Box" about usage of two instances of the embosser (Braille, and Tiger) that you see.

On Windows PC, the VP embosser @ tigerbox will need to be added to the system manually before you will be able to call the device for printing. Find instructions below.

III.C.2. Availability of VP embosser @ tigerbox on Windows PC

When your PC is connected to the same network as your Tiger Box, or directly dialed into Tiger Box WiFi, all settings and printing preferences will be accessible through web browser application the same way as on your mobile device.

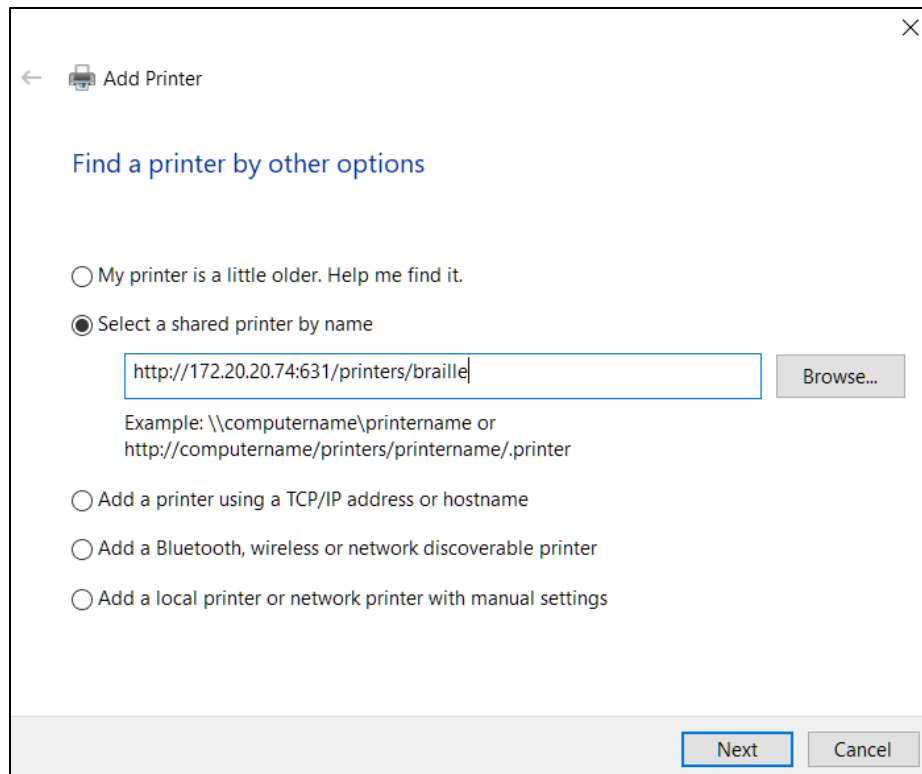
For printing to the VP embosser @ tigerbox from any application on your Windows PC, you have to install the corresponding ViewPlus printer driver first, and manually add VP embosser @ tigerbox to the system printers under Windows settings.

Tiger Box provides two instances of the ViewPlus embosser connected to it, a Braille instance and a Tiger instance. In general the Braille instance of the printer is used to print text documents, and the Tiger instance of the printer is used to print tactile graphics documents. See further information about this in next document section III.D below. However, the two instances of the VP embosser @ tigerbox have to be added separately to system printers on a Windows PC.

III.C.2.1 To add the VP embosser (Braille) on a Windows PC follow these steps:

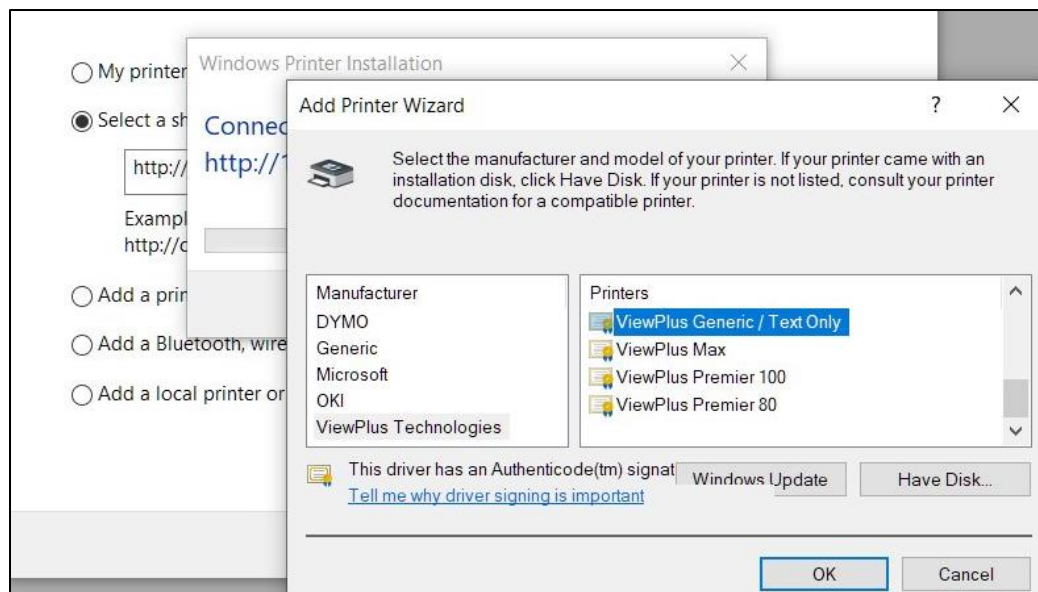
1. Make sure the ViewPlus printer driver for the ViewPlus printer model connected to your Tiger Box is installed on your Windows PC.
2. Go to Windows settings.
3. Select 'Devices'.
4. Select 'Printers & scanners'.
5. Select 'Add a printer or scanner'.
6. Select 'The printer that I want isn't listed' as soon as it appears (no need to wait for the search).
7. In the next dialog choose 'Select a shared printer by name' and enter the name in this format "http://172.20.20.74:631/printers/braille", replacing IP address '172.20.20.74' with actual IP address of your Tiger Box.

Please note that the IP address when connected via cable to the network is different than when connected to Tiger Box through wireless network.



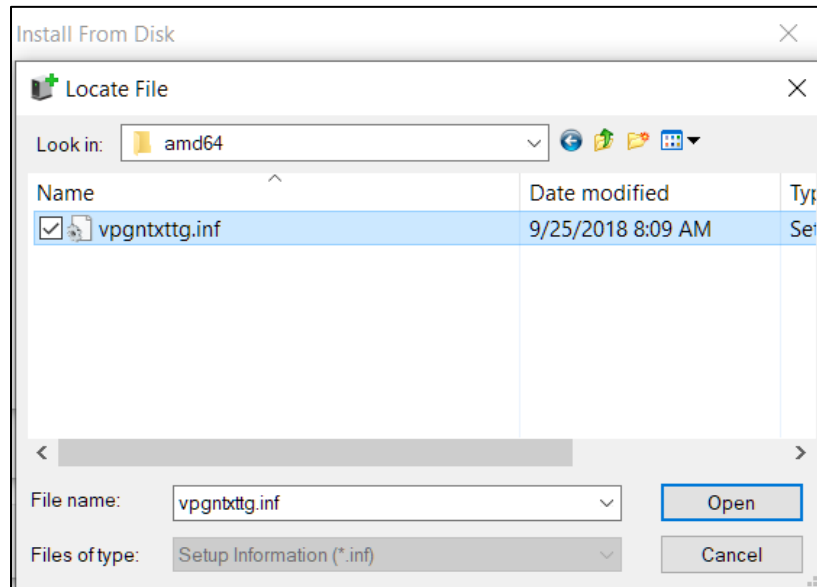
Adding Braille instance of Tiger Box embosser to Windows PC

8. In the next step make sure to select 'ViewPlus Technologies' under Manufacturer and 'ViewPlus Generic / Text Only' under Printers list.



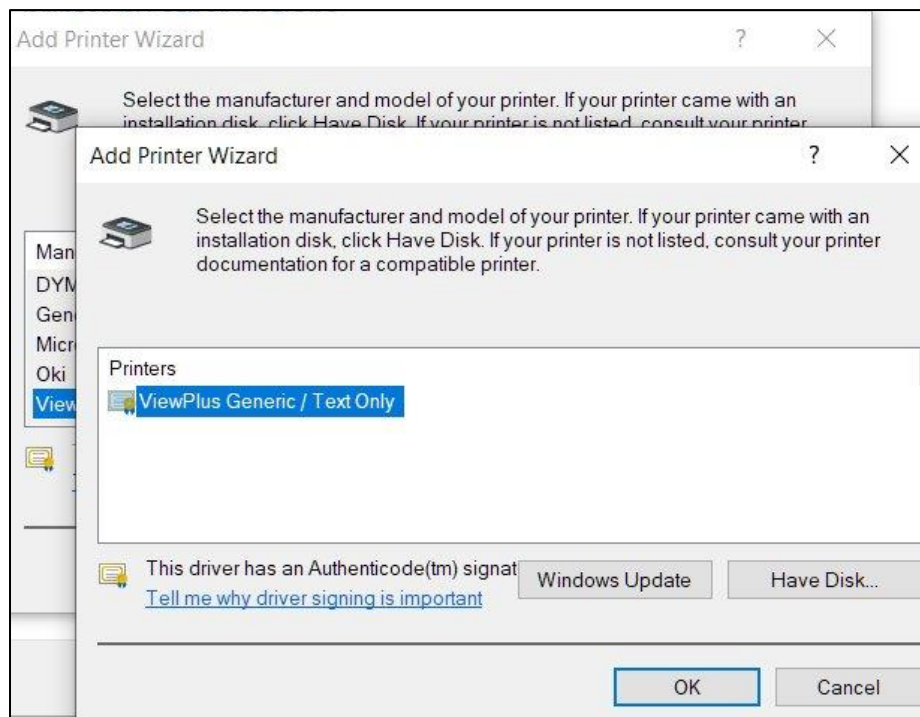
Finding ViewPlus Generic/Text Only printer

If you don't find the ViewPlus Generic/Text Only printer listed under ViewPlus Technologies manufacturer, select 'Have Disk...'.
Then browse to 'C:\Program Files\ViewPlus\Tiger\DriverStore\Generic Text Only\amd64' and select file 'vpgnxttg.inf'.



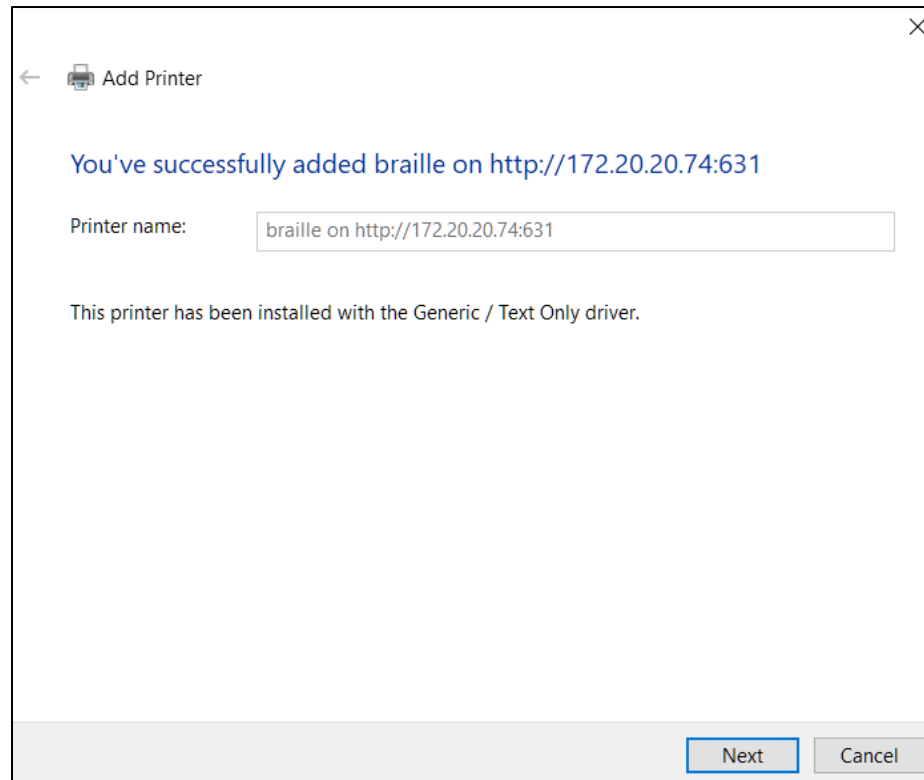
Adding ViewPlus Generic/Text only printer

Select to add 'ViewPlus Generic / Text Only' in next window and confirm with 'OK'.



Selecting ViewPlus Generic/Text only printer

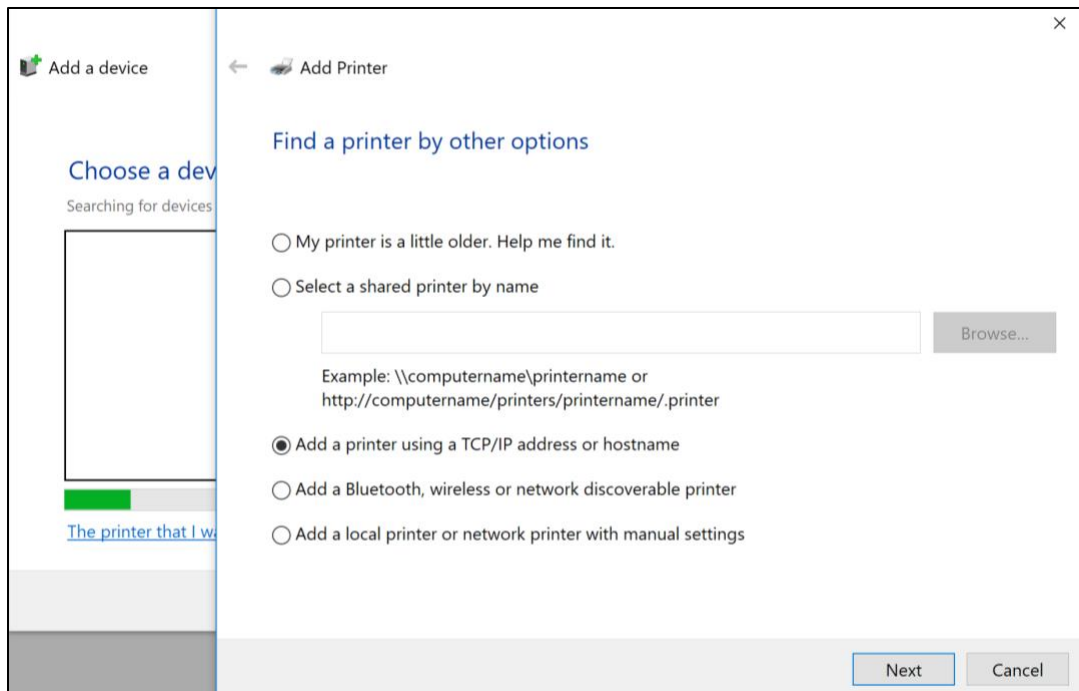
9. After completing the installation process by confirming the next steps with 'OK', or 'Next', a printer with name "braille on http://<IPaddress>:631" will have been added to your list of available printers under Windows system. It will appear in the list of available printers when you go the Print option from any Windows program.



Tiger Box Braille printer added successfully to Windows PC

III.C.2.2. To add the VP embosser (Tiger) on a Windows PC follow these steps:

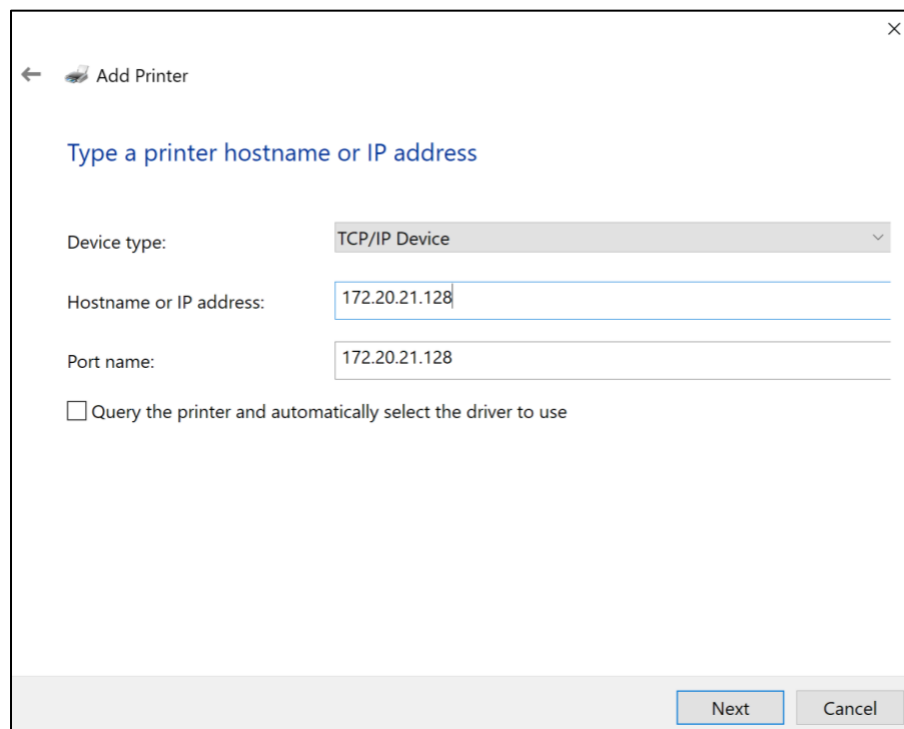
1. Make sure the ViewPlus printer driver for the ViewPlus printer model connected to your Tiger Box is installed on your Windows PC.
2. Go to Windows settings.
3. Select 'Devices'.
4. Select 'Printers & scanners'.
5. Select 'Add a printer or scanner'.
6. Select 'The printer that I want isn't listed' as soon as it appears (no need to wait for the search).
7. In the next dialog choose 'Add a printer using a TCP/IP address or hostname' and go to next window.



Adding Tiger instance of Tiger Box embosser to Windows PC

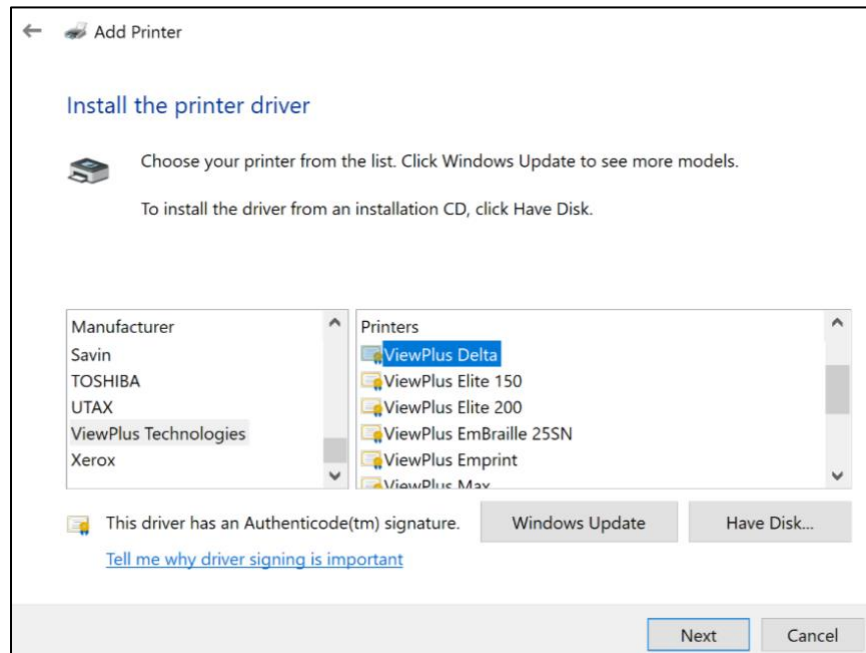
8. In the next step enter the IP address of Tiger Box within the network that you are connected to.

Please note that the IP address when connected via cable to the network is different than when connected to Tiger Box through wireless network.



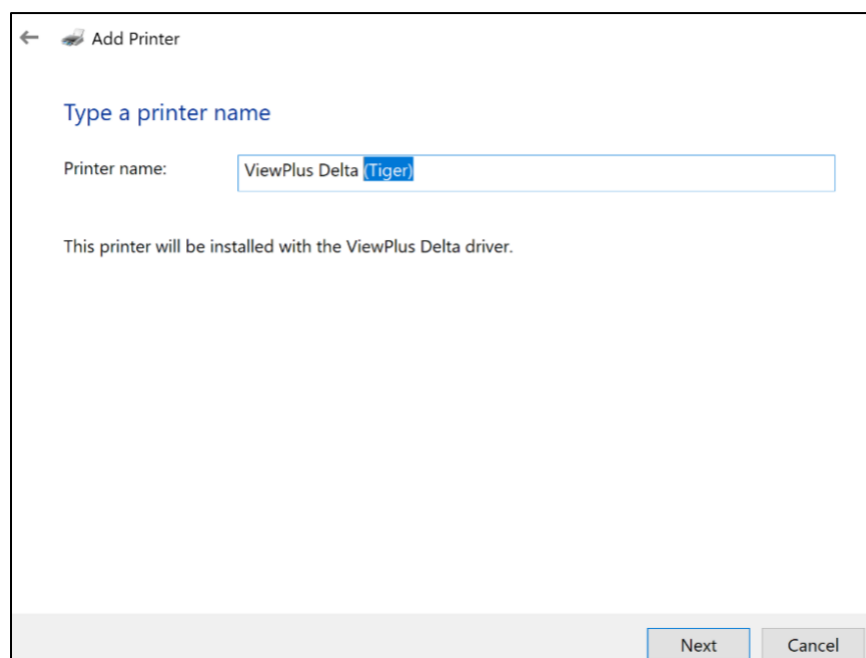
Entering IP address of Tiger Box

9. Within next dialog select 'ViewPlus Technologies' under Manufacturer, and under Printers list the name of the ViewPlus printer model that you have attached to Tiger Box.



Choosing ViewPlus printer model connected to Tiger Box

10. The installation will proceed. Before it finishes, you are given the opportunity to change the printer name. It might be a good idea to add "(Tiger)" as extension to the default name of the ViewPlus printer model to have the same naming convention as mobile devices show for this instance of the printer.



Naming printer before completing installation

Please see description below to know which instance of VP embosser @ tigerbox (Braille, or Tiger) should be used for which kind of documents. This applies in the same way for all operating systems, Android, iOS, MacOS, or Windows.

III.D. Printing through Tiger Box

When printing through Tiger Box there is a differentiation between a 'Braille' instance of the connected printer, and a 'Tiger' instance of the connected printer.

III.D.1. When to choose VP *embosser* (Braille)?

In general you want to choose the Braille printer for printing text that need to be converted to Braille output. Send standard text documents like TXT, DOCX, or PDF format. On-the-fly-translation will only happen when using the Braille instance of VP embosser @ tigerbox, not the Tiger instance. Formatter and Embosser settings will apply in this case for Braille document creation, and any graphics within the text of such documents will be eliminated, resulting in plain Braille text output.

III.D.2. When to choose VP *embosser* (Tiger)?

In general you want to choose the Tiger printer for embossing graphics from any application that provides print option.

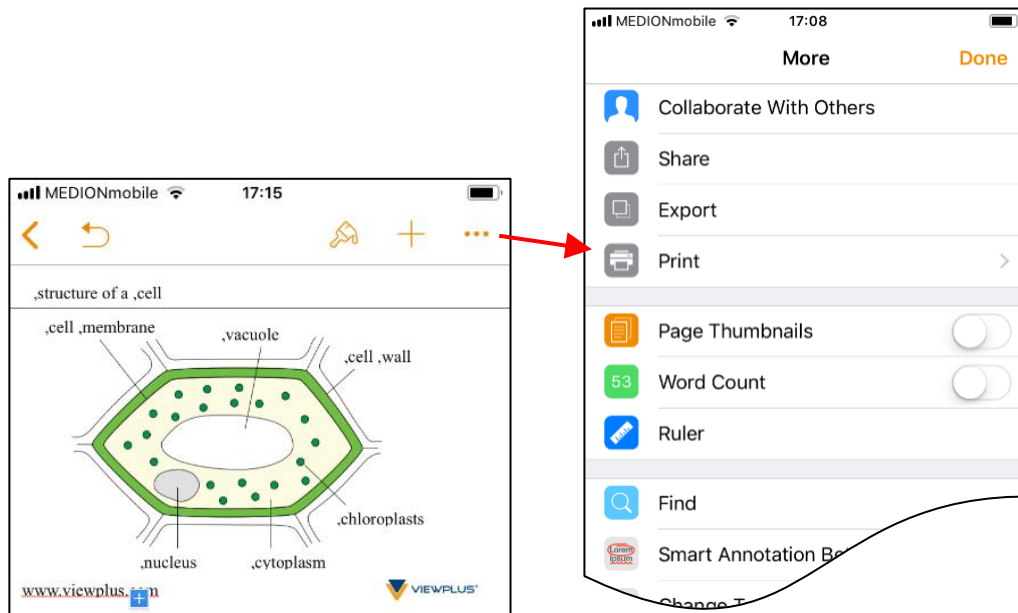
When printing to the Tiger instance of the embosser, it will behave like ViewPlus printers through Windows printer driver on your PC. Graphics will be embossed following the principle "What you see is what you get", converting coloring of images to variable dot heights.

Standard text will be eliminated from the document output in this case. Only text that has previously been converted to ViewPlus Braille font in size 29, will be embossed in Braille on printer output. This could have been accomplished by text to Braille translation using Tiger Software Suite, or by changing formatting of text to Braille29 font in size 29.

III.D.3. Examples

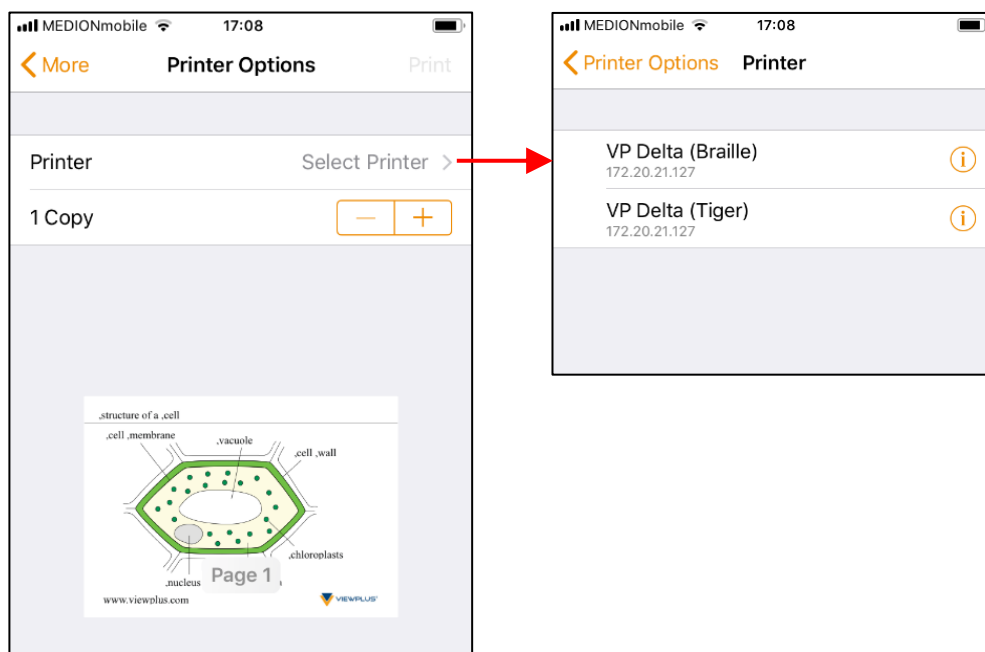
III.D.3.1. Printing from App "Pages" on iOS device:

1. Choose the print option from submenu provided to share, or export data.



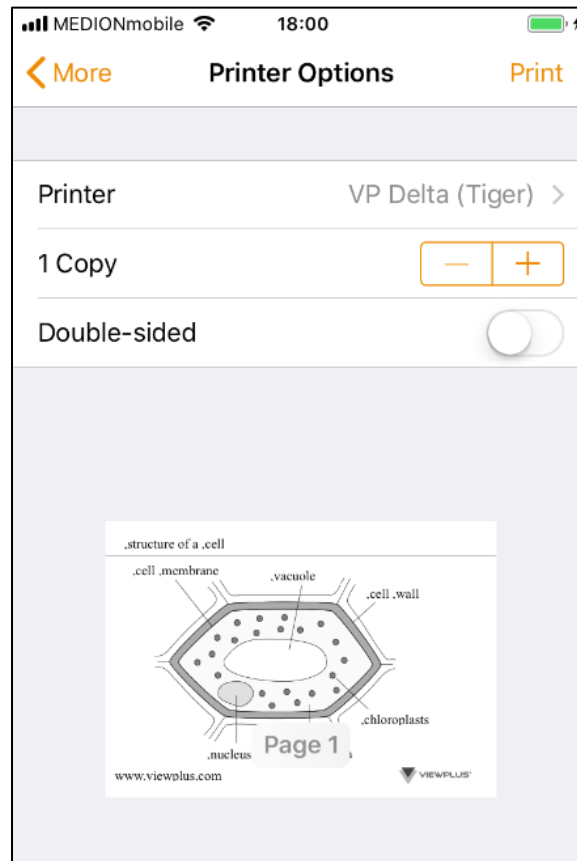
Select print option from application on iOS device

2. Select printer which you want to use for this print.



Selecting a VP embosser @ tigerbox through iOS application

3. Print preview will be shown along with printer options available at this point.

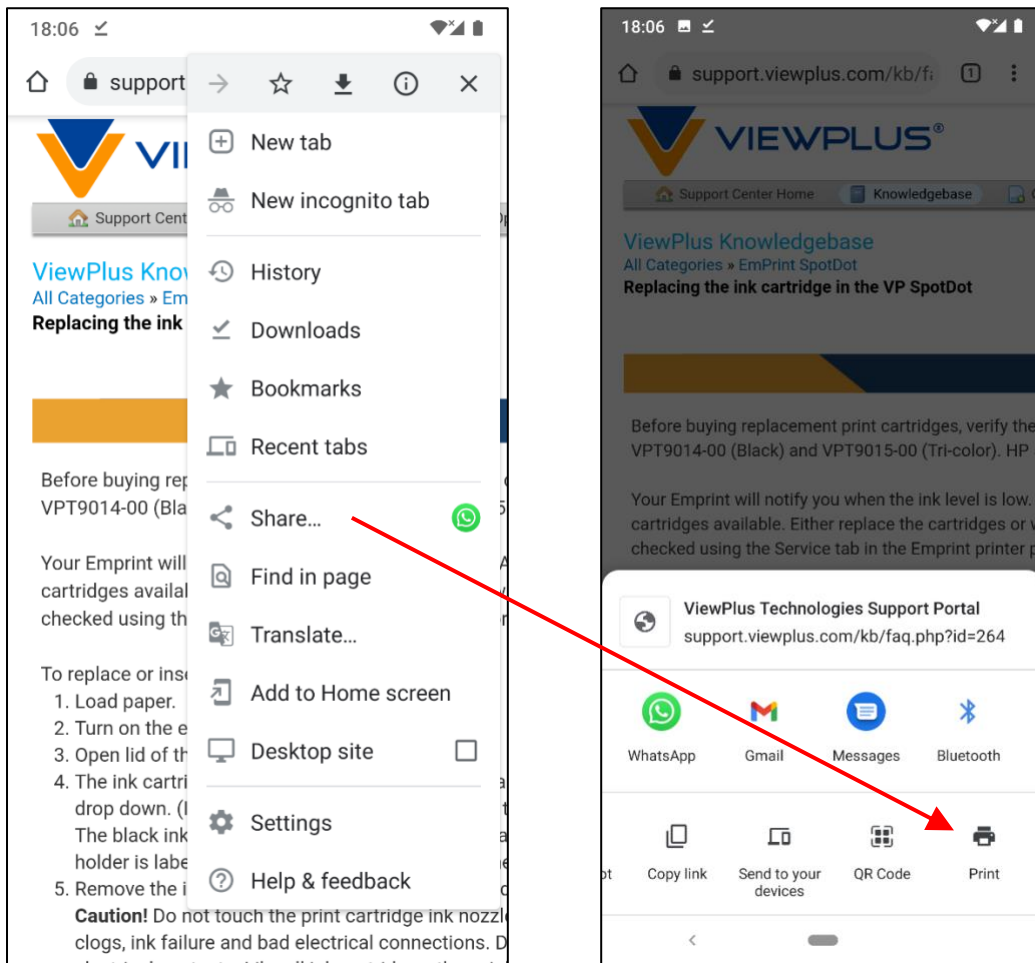


Print preview on iOS device

4. Hit the Print button at the top right corner to start embossing on VP embosser @ tigerbox.

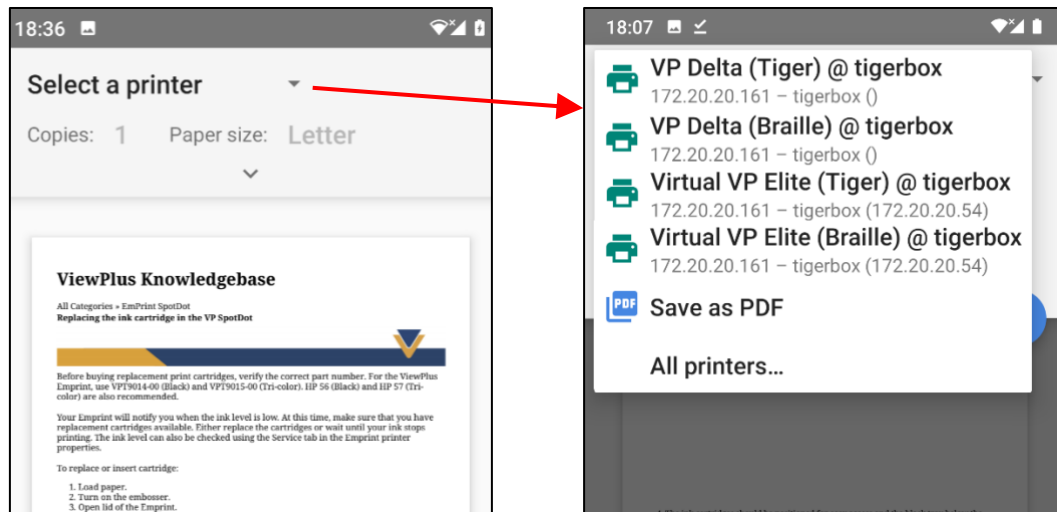
III.D.3.2. Printing from App (example "Chrome") on Android device:

1. Choose the print option from submenu provided when wanting to share, or export data.



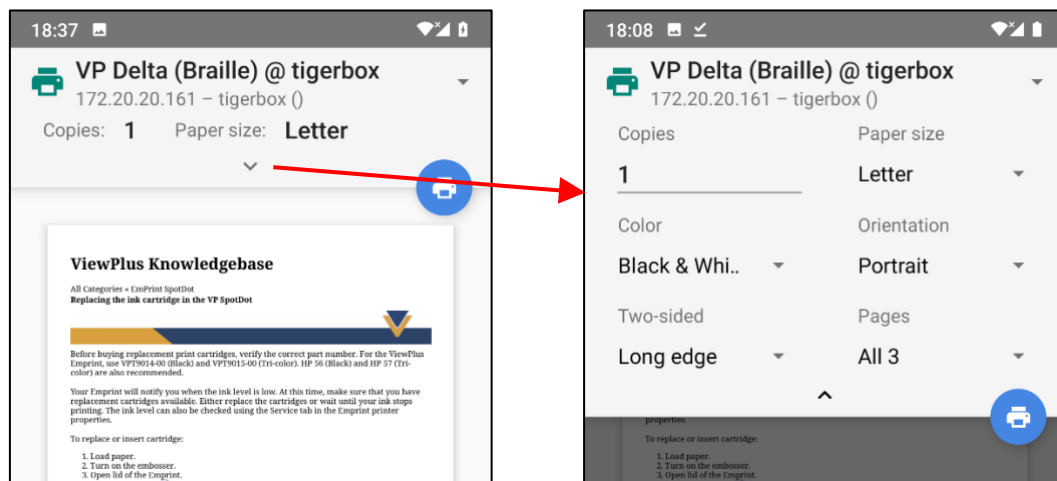
Selecting print option from application on Android device

2. You might get warning messages about untrusted SSL connection, or hostname not verified. In this case, please select to trust the connection, and to trust the host.
3. On active print command, you will get a preview of the document, and an area to select specific print options. At first you need to select the desired printer for your output from a list of available printers.



List of available printer on an Android device

4. VP Delta (Braille) @ tigerbox embosser was chosen in example shown in screen shots here. The text in print preview has not been translated to braille yet. This will happen on-the-fly through Tiger Box when printing. Additional print options can be chosen in expanded printing tools pane, like number of copies to print, paper size, two-sided (interpoint) print option, or page range.



Print preview and print options on an Android device

5. Select the printer Icon to start the print job, sending data for output on selected VP embosser @ tigerbox.

If you see 'Virtual' printers available at Tiger Box in list of available printers, please refer to section III.E.3. for further explanation.

III.E. Tiger Box user interface print options

III.E.1. Option to print Braille ready files through home page

When wanting to print a Braille, or tactile graphics document that was previously created and is saved locally to your device, you can send it directly to your VP embosser @ tigerbox through Tiger Box user interface 'Home' page. The file has to be in Braille Ready Format (*.BRF, *.BRL), or Tiger Format (*.PRN). In this case there is no need to select which instance of the embosser you are printing to. Follow these steps to accomplish the task:

1. Make sure to have saved a local copy of this file first.
2. Go to the Tiger Box user interface in your web browser and call page 'Home' if this is not showing already.
3. Within the bottom section of the home screen you find function 'Choose file to emboss'. It provides a button to the left to open file browser options for selecting a file that you wish to send for printing. (Braille Ready Format, or Tiger format only).
4. After selecting a file that you wish to print, the file name will be shown instead of 'Choose file to emboss'. Then select the button to the right, showing in form of the ViewPlus logo, to send the file and start embosser output.



Select a file for printing from Tiger Box user interface Home page

This feature can be extended to an external file repository if you insert a USB flash drive into an open USB port of Tiger Box.

III.E.2. Using a USB flash drive file repository - EmbossMe™ feature

Additional to the possibility to send files for printing from local device storage, you can create a file repository stored to a custom USB flash drive.

Note: The USB stick delivered with your Tiger Box is not compatible to serve for this purpose. Also, before a custom USB flash drive will be accepted by Tiger Box, it needs to be renamed to either "TIGER", or "ViewPlus".

The renaming of the USB flash drive can be done by inserting it into a PC first. The USB drive name is case sensitive, so either "TIGER" with all capital letters, or "ViewPlus" in one word with capital letters "V" and "P" is required.

After inserting a USB flash drive, please refresh Tiger Box user interface screen on your device. If you find a request within 'Home' to **'Mount as EmbossMe™ device'**. Please follow by selecting this text link.

Next the 'Home' screen might ask you to rename the USB storage volume label to "TIGER". Only do this if you haven't renamed the USB flash drive to "TIGER", or "ViewPlus" before. Otherwise ignore this request.

If the USB storage volume is mounted successfully, after refresh of Tiger Box 'Home' page, the screen will hold features as described below.

Keep recent print jobs: When this option is checked, a copy of all printed documents will be saved to folder 'Recent Print Jobs'. The file extension of printed documents is PRN.

Recent Print Jobs: This button will access content of the folder that holds all recently printed documents if this option is checked. In case you use different printer models in connection with your Tiger Box, you will only see recent print jobs that are compatible with the currently connected printer. Selecting any of the files within this folder will call "**EmbossMe™**" interface for PRN file type as described below.

The area below recent print jobs will be populated with folders holding files that have been uploaded to USB flash drive file repository as described next.

Select a file for printing.

☒ Keep recent print jobs

Recent Print Jobs

Choose a file from any of the folders for printing, OR upload a file to the USB Flash drive.



Choose file for upload



Supported Document Types: Tiger (*.PRN), Braille Formats (*.BRL, *.BRF, *.EBF), Office Open XML (*.DOCX), Open Document Text (*.ODT), Portable Document Format (*.PDF), Text (*.TXT, *.ASC), Rich Text Format (*.RTF), Portable Embosser Format (*.PEF), BrailleBlaster (*.BBZ)

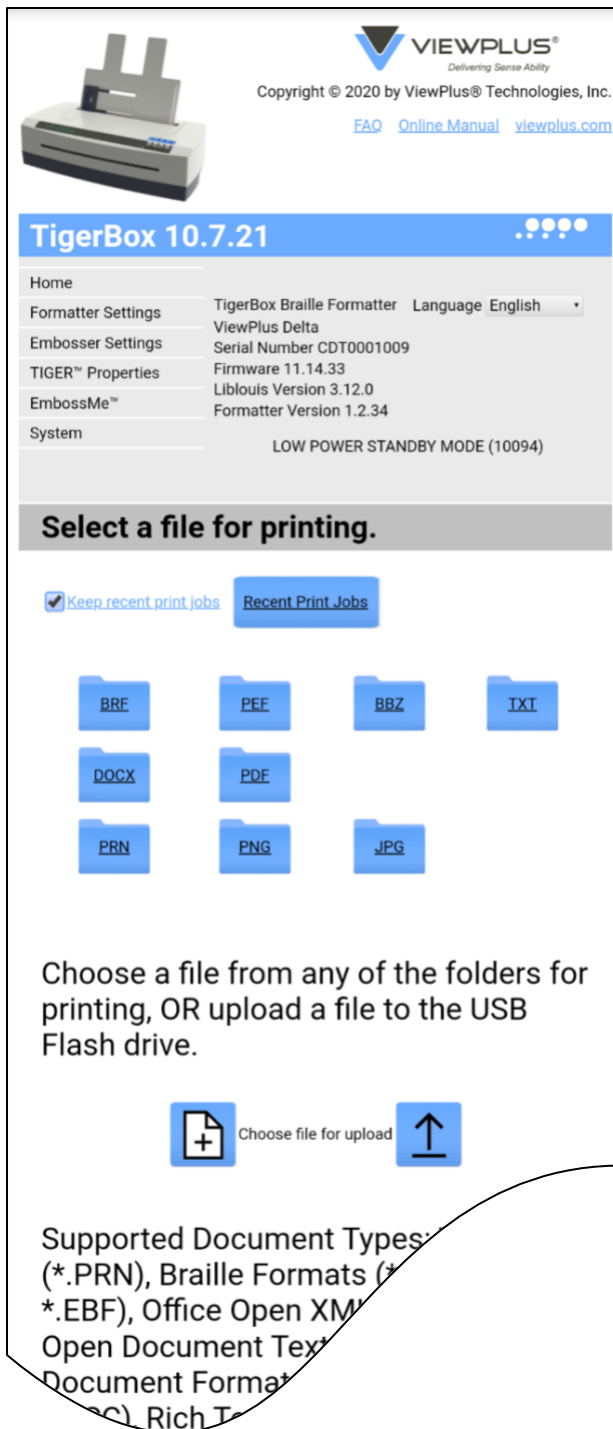
Supported Image Types: Portable Network Graphic (*.PNG), Joint Photographics (*.JPG), Device Independent Bitmap (*.BMP)

USB mounted but file repository still empty

There is a button feature at the center left to 'Choose file for upload'. A file browser will open on your device. Choose a file that you wish to upload to your USB file repository. The 'Upload' button feature to the right will start file copy. Compatible document file types are *.PRN, *.BRL, *.BRF, *.EBF, *.DOCX, *.ODT, *.PDF, *.TXT, *.ASC, *.RTF, *.PEF, *.BBZ. Compatible image file types are *.PNG, *.JPG, or *.BMP.

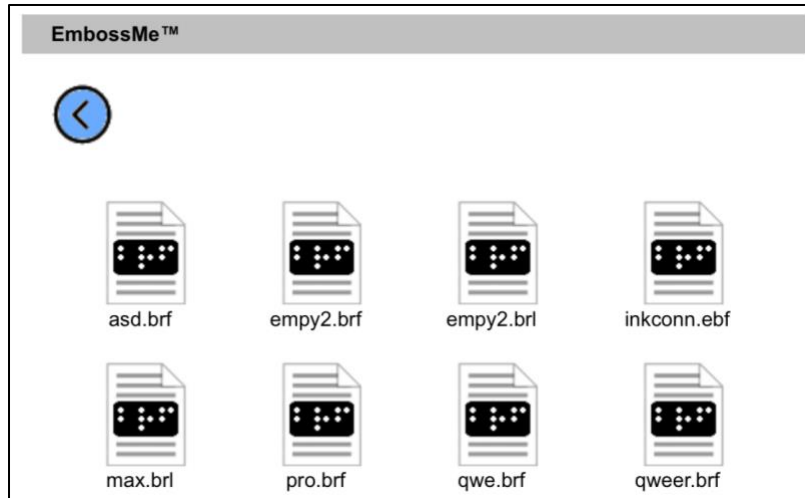
The file will be saved to your USB file repository under a folder named after corresponding file extension.

Please refresh Tiger Box 'Home' page to show the folder of a new file type that has just been uploaded.



Tiger Box user interface Home page with file repository

To print a file from the repository, go to the desired folder and choose a file from the list of available files. As an example, the next picture shows 8 available files in folder "BRF" after selecting this folder.



Content of folder 'BRF' on USB flash drive

Depending on the file type, Tiger Box will offer different 'EmbossMe™' actions for further processing.

Independent on file type, this will always include

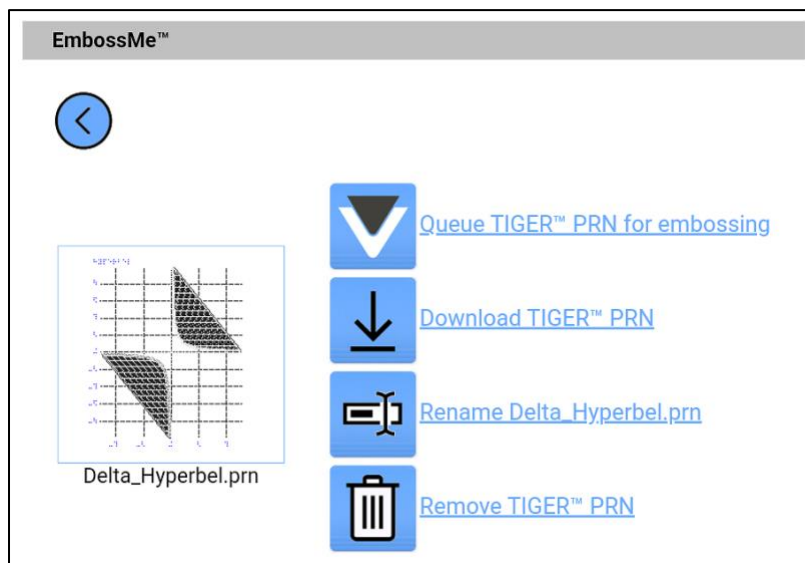
Download: the file will be downloaded from USB flash drive file repository to local storage of your device.
AND

Remove: removal and discard of the file from USB flash drive.

When choosing a PRN file from folder 'PRN', or from folder 'Recent Print Jobs', additionally to the above, you will be given the option to

Queue TIGER™ PRN for embossing: PRN files are already translated and ready to print by the embosser from direct data streaming.

Rename *.prn: When selecting this option you will be given a mask to enter a new file name, which you need to confirm by selecting 'Rename' again.



'EmbossMe™' print interface for PRN file

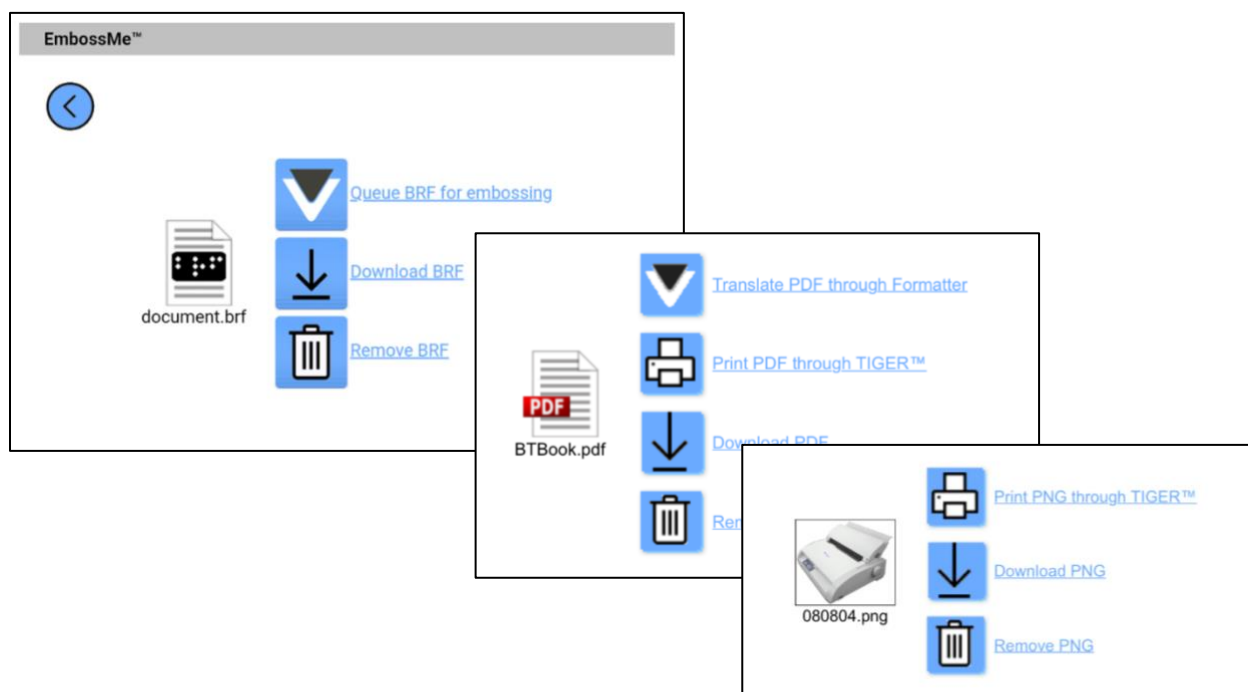
For other document or image file types, possible actions to choose from, additionally to Download, and Remove, are

Queue ... for embossing: Same as above for Braille ready files that are ready to print by the embosser from direct data streaming.

Translate ... through Formatter: This will translate text within the document to Braille according to Formatter and Embosser settings, and then will send the Braille text document for embosser output.

AND / OR

Print ... through Tiger: This is to emboss as is, converting images to tactile graphics. Only text that has previously been translated and formatted to Tiger Braille font within the document will emboss in Braille with this option.

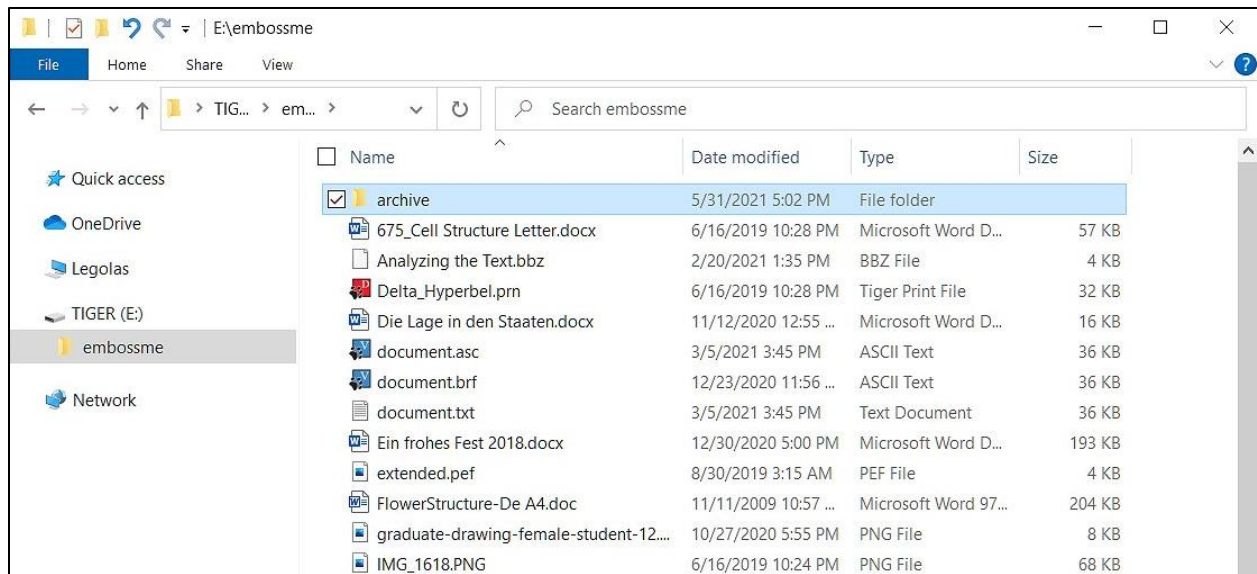


Different 'EmbossMe™' action screens

III.E.2.1. USB flash drive file structure in browser window

The USB flash drive file repository can be used at any computer with USB port. Within file browser application, such as Windows-Explorer, you will see the name of the drive, 'TIGER' or 'ViewPlus', then a folder named 'embossme' which was automatically created as soon as you uploaded the first file to the USB file repository through Tiger Box. All files of all types are saved within 'embossme' folder, except files from recent print jobs. 'Recent print jobs', or 'Recent PRN Files' are stored within a subfolder called 'archive'.

Any file from the USB drive can be copied and saved locally at the computer, or printed to a locally connected embosser, or printer.



USB flash drive file repository shown within Windows-Explorer

III.E.3. Creating PRN files using virtual printer driver - EmbossMe™ feature

The 'EmbossMe™' settings screen offers to enable a virtual ViewPlus printer driver. The selected ViewPlus printer will be available in list of printers when printing from any application on your device.

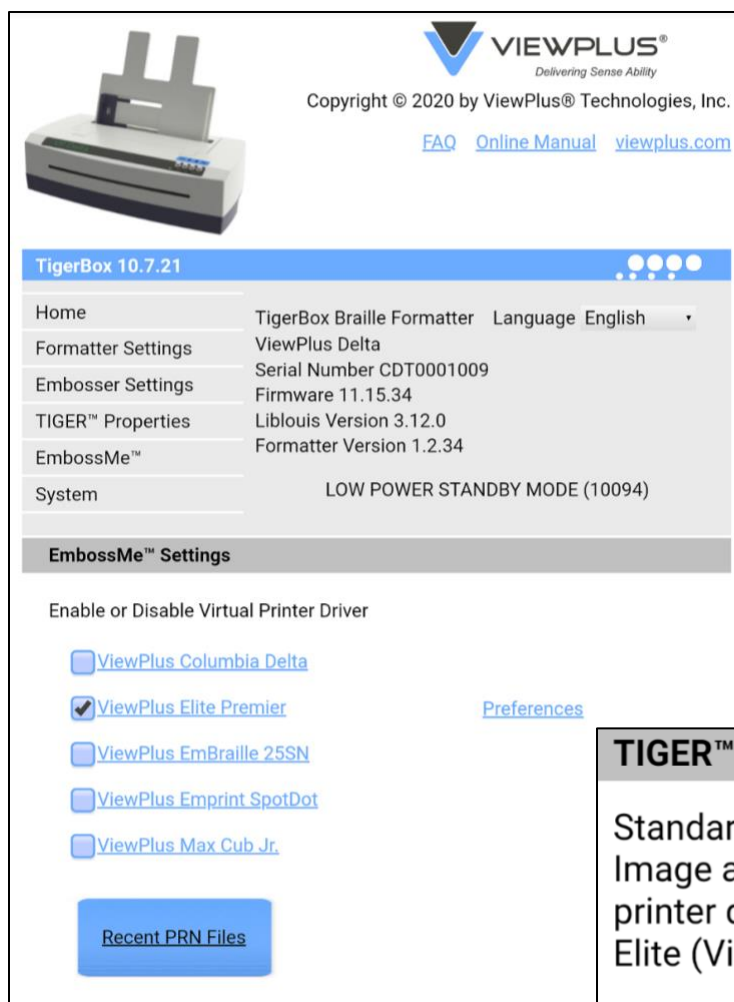
The printer will be displayed as 'Virtual VP embosser (Braille) @ tigerbox', or 'Virtual VP embosser (Tiger) @ tigerbox'. The document conversion when printing to Braille, or to Tiger instance of the virtual printer works the same as explained before. Instead of paper output though, a print file will be created from any print job send to the virtual printer.

If you go to print from any application on your mobile device, you will see the virtual printer in list of available printers. When printing to it, a print file will be created with file extension PRN. This file will be saved in folder 'Recent PRN Files', which is the archive folder from USB flash drive file repository. Content of 'Recent PRN Files' is shown when selecting the folder button further down on 'EmbossMe™' page of Tiger Box user interface.

Note: Folder 'Recent PRN Files' from 'EmbossMe™' page will display all recently printed documents, no matter which printer was used. Folder 'Recent print jobs' from 'Home' page will only display print files compatible to currently connected ViewPlus embosser.

A PRN file from 'Recent print jobs' folder, or 'Recent PRN Files' folder can be printed on paper at any later time either if you have corresponding ViewPlus printer model connected to Tiger Box, or take the USB drive to a computer where the printer is connected to.

When enabling any of ViewPlus virtual printer drivers, you receive the option to go to printing preferences with 'Preferences' text link to the right. This will open a screen showing TIGER™ properties for corresponding printer model. These settings are being applied when creating a print file by printing to the virtual printer from any application.



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Delivering Sense Ability

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[FAQ](#) [Online Manual](#) [viewplus.com](#)

TigerBox 10.7.21

Home	TigerBox Braille Formatter	Language English ▾
Formatter Settings	ViewPlus Delta	
Embosser Settings	Serial Number CDT0001009	
TIGER™ Properties	Firmware 11.15.34	
EmbossMe™	Liblouis Version 3.12.0	
System	Formatter Version 1.2.34	
LOW POWER STANDBY MODE (10094)		

EmbossMe™ Settings

Enable or Disable Virtual Printer Driver

- ☐ [ViewPlus Columbia Delta](#)
- ☒ [ViewPlus Elite Premier](#)
- ☐ [ViewPlus EmBraille 25SN](#)
- ☐ [ViewPlus Emprint SpotDot](#)
- ☐ [ViewPlus Max Cub Jr.](#)

[Recent PRN Files](#)

[Preferences](#)

TIGER™ Properties

Standard properties for the Tactile Image and Graphics Embosser (Tiger) printer driver. Embosser is visible as 'VP Elite (Virtual) @ tigerbox '

Paper Source:	Tractor ▾
Duplex Mode:	None ▾
Page Size:	Letter ▾
Inverse Landscape:	No ▾
Media Type:	Default ▾
Braille Force:	Normal ▾
Print Mode:	Ink and Emboss ▾
Emboss Standard Texts:	No ▾
Braille Quality:	Standard ▾
InkQuality:	Normal ▾
InkDithering:	None ▾
Thin Line Intensity:	1 ▾

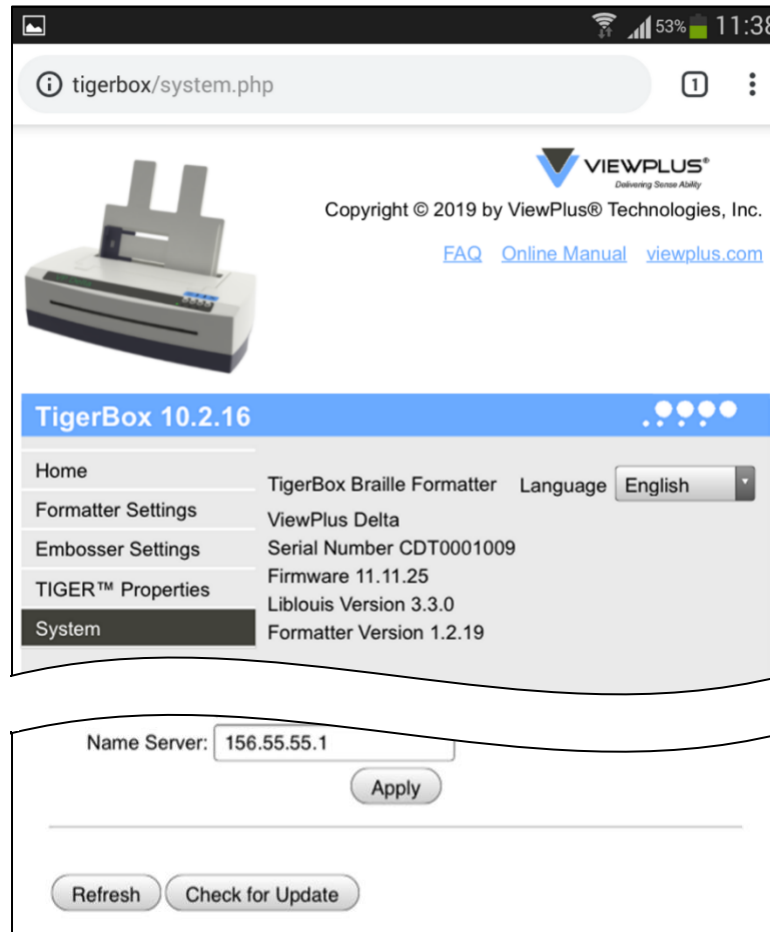
[Apply](#)

EmbossMe™ settings and preferences of virtual printer

Even though the virtual printers also become visible on a Windows PC connected to the same network as Tiger Box, it is not recommended to use it this way. The print files created through virtual VP embosser @ tigerbox on a Windows PC will have information missing. For the purpose of creating a print file for a VP embosser without the actual printer on-hand, you could install the printer driver from ViewPlus website, and add the printer manually to be connected to port FILE. This would be equivalent to a virtual printer.

IV. ViewPlus Help and Support

Please note, that online options from Tiger Box user interface as described below do require internet access, which means you need to have access to Tiger Box through another network.



Tiger Box user interface features for help and support

On the top right of the Tiger Box user interface in your web browser, below the ViewPlus logo, you will find links to ViewPlus online FAQ section, the online Tiger Box user manual, and the main ViewPlus webpage.

Also, at the bottom of the 'System' page within Tiger Box user interface, you will find a button called 'Check for Update'. Use this button to retrieve updates from ViewPlus online, which might include new Braille tables for text to Braille translation in certain languages, or new features to the device.

Additional training and support is available for purchase through your authorized ViewPlus distributor or from ViewPlus Technologies.

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1965 SW Airport Ave.
Corvallis, OR 97333
Toll free phone number: **866.836.2184**
www.viewplus.com