LaserSoft® tPrint for Android Setup Guide

Use the tPrint app as a print relay service to expand your options for wireless printing from Laser Technology's video enforcement instruments. tPrint facilitates a partnership between a laser and a wireless printer, with an Android device as a network hotspot. The following steps explain the process of configuring tPrint with a laser to view images from the laser and to print images with most wireless printers.

This guide consists of three main sections:

- Specifications
- Initial Setup – These steps should not have to be repeated unless they are changed by the user.
- Daily Use Setup – After the initial setup has been completed, these steps include what needs to be done each time you use the laser with tPrint.

Specifications

Specification	Description
Distribution	FREE on Google Play – Search "lasersoft tprint"
Minimum Required Android Operating System	Android version 6.0 or later
Android Devices	Most smartphones (with SIM cards) & tablets running Android 6.0 or later that have Wi-Fi Hotspot feature and/or Bluetooth
Connectivity to Android Device	• Laser – Wi-Fi Hotspot • Printer – Wi-Fi Hotspot (recommended for faster performance and less stress on the laser battery) or Bluetooth
Compatible Laser Models	• TruCAM® II • TruVision
Compatible Printers	Most Wi-Fi or Bluetooth printers that support Android
Supported Languages	English

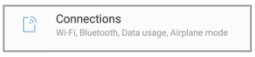
Initial Setup

These steps should not have to be repeated unless they are changed to something else by the user. Before starting, ensure tPrint has been installed from the Google Play store (search “lasersoft tprint”).

STEP 1 – ANDROID DEVICE SETUP

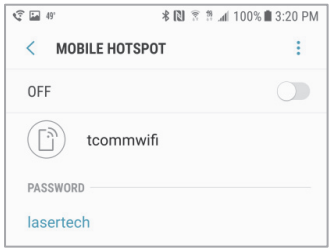
Enable the hotspot on the Android device and note the hotspot network name and password.

This example displays the screens as they appear on a device with the Android v8 operating system. The steps to navigate to the mobile hotspot settings may be similar to Android devices with different operating systems but will not be exactly the same.

1. Access Android Settings and tap 

2. Turn on Mobile Hotspot. 

3. Note the network name (SSID) and password for the hotspot. This information will be needed to configure the TruCAM II.



STEP 2 – PRINTER SETUP

Add a Wi-Fi or Bluetooth printer to the Android device.

1. Use Google Play to search for and install the correct driver app for your wireless printer. For example, if you have an Epson WF-100 printer, you would open the Play Store and search for “Epson WF-100 print driver.” Contact the printer manufacturer for assistance, if needed.

   What is a print driver app?

   To print from any Android device to a wireless printer, the driver app for that printer must be installed on the Android device. Once the driver app is installed and enabled, and the printer is connected to the Android device, you can print emails, documents, etc the same as you would from a computer.

2. Configure / connect the printer to your Android device:
   - Bluetooth - Pair the Bluetooth printer with your Android device.
   - Wi-Fi – On the printer, use the Wi-Fi setup to find your Android hotspot (the tablet). Select it, and then enter your hotspot password.

3. Enable the driver app by following the instructions provided with your print driver app. For many Android devices, once you install the driver, you can swipe down from the top of the screen on the Android device and select the option to enable the driver.
4. Print a test page to ensure the printer is properly configured and connected (most printers will prompt for this once a connection to a printer has been selected or changed). If there is no prompt, you can print this setup guide. To find it, open tPrint, tap help icon (question mark) in the upper left corner of the screen, then tap the link for the setup guide.

STEP 3 – LASER SETUP

Configure the laser and gather the information that will be needed to configure tPrint. Please note that Android phones used must have a SIM card. If the phone does not have a SIM card, the laser cannot be connected to the phone's hotspot. Android tablets will work with or without a SIM card.

1. Note the SERIAL NUMBER located on top of the laser.
2. Power on the laser to access the Main Setup Screen.
3. From the Main Setup screen, tap  and then tap  to access the System Options screen.

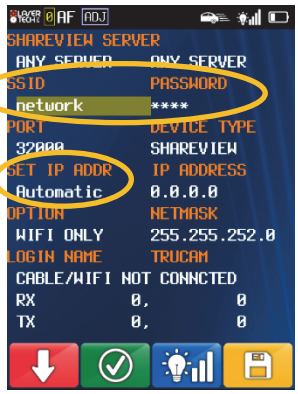


4. Under NETWORK SETUP, tap 

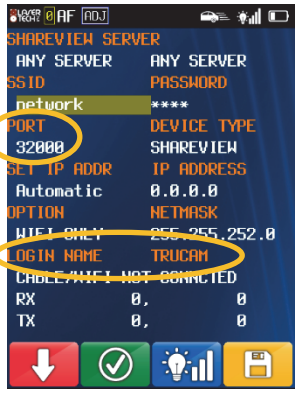
and then tap  to display the Network Settings screen.
5. On the Network Settings screen, ensure that the SHAREVIEW SERVER is listed as "ANY SERVER." To change the SHAREVIEW SERVER to "ANY SERVER," tap the field under the SHAREVIEW SERVER heading. Enter "9" and then .



6. Enter the network name (SSID) and password (passphrase) for the hotspot in the Network Settings screen on the laser. Tap the field under the SSID and PASSWORD headings to open the dialog boxes and enter the information. Tap  to save.
7. Tap the field under the SET IP ADDR heading until it reads “Automatic.”



8. Note the PORT number and LOGIN NAME on the Network Settings screen. This information will be needed to set up the tPrint app.



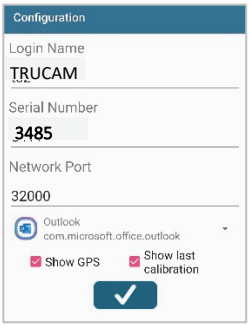
9. Tap .
10. Power cycle the laser by pressing and holding the Power button until the laser shuts down. Press Power button to turn the laser on.
11. In the black ribbon at the top of the laser screen, ensure that you see the icon indicating the laser is configured for a Wi-Fi connection: . It can take up to 20 seconds for the icon to

appear. If this icon does not display after 20 seconds, re-do the steps in this section (STEP 2 – LASER SETUP) and try again.

STEP 4 – tPRINT SETUP

Configure tPrint settings.

1. Open tPrint on the Android device.
2. Tap .
3. Enter the Login Name, Serial Number, and Port information obtained from the TruCAM II. Note: Only the numeric part of the serial number is required (it is not necessary to include any letters or zeros).



   - Sharing Selection Drop Down List – Tap the drop-down list to select a preferred sharing method. This method will be launched as default when the Share  button is tapped on the data collection screen. The options in the drop-down menu depend on the apps available for use on the phone or tablet.
   - Show GPS – Check this box to display the Longitude/Latitude location of the laser at the time the measurement was taken on the measurement record.
   - Show Last Calibration – Check this box to display the date the laser was last calibrated on the measurement record.
4. Tap  to return to the data collection screen.

STEP 5 – PRINT

Print an image from the laser.

1. Open tPrint.
2. In the black ribbon at the top of the laser screen, ensure that you see this icon  indicating a connection to the Android device.
3. Take a new speed measurement. Note that the speed record is automatically sent to the tPrint app and is ready to be printed.
4. Alternately, from the Main Setup screen on the laser you can access previously recorded speed records that are saved on the laser.
   a. Tap  to access the most recently saved speed record on the TruCAM2.
   b. Use , , and  to navigate to additional images saved records.

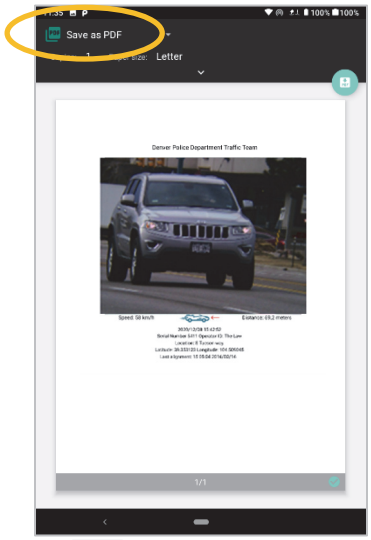
c. Tap  to select a record, and then tap  to send the record to the tPrint app for printing.



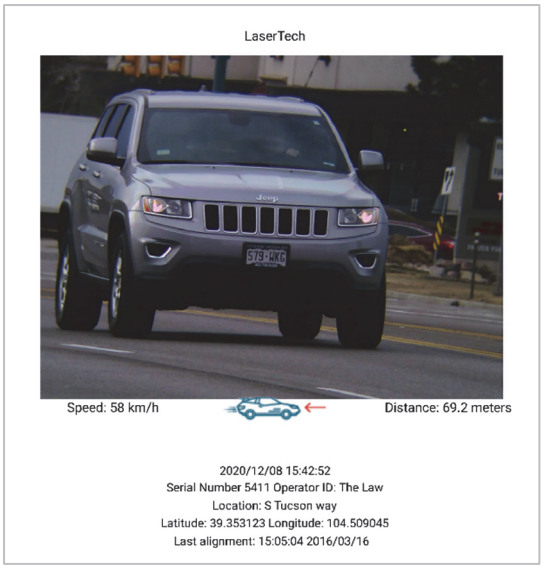
 Indicates the vehicle was approaching.

 Indicates the vehicle was departing.

5. To print the image, tap  which will open the print screen. To save the image as a .JPG file, tap . The file will be placed on the Android device in the tPrint folder, in a sub-folder named by the date it was created.
6. <Optional> Tap  to share the measurement record via apps such as Google Drive, Viber, Whatsapp, Dropbox etc. This button is not active until a record is saved.
7. If the printer is on and correctly connected to the Android device, it will be listed as an option in the menu located in the upper left corner of the screen. Tap the menu to display the available printer options and select one:



8. Tap  to print the image.



Daily Use Setup

After the initial setup has been completed, these steps include what needs to be done each time you use the laser with tPrint.

STEP 1 Power on the Android device and ensure that the Wi-Fi hotspot is turned on.

STEP 2 Power on the laser and verify that the laser and Android device are connected: .

STEP 3 Power on the printer and verify the Wi-Fi Hotspot or Bluetooth connection is turned on.

Troubleshooting

For questions about printers or printer driver apps, please contact the printer manufacturer.

If you need further assistance with tPrint or with a TruCAM II or TruVISION laser, please contact the Laser Technology Authorized partner in your region, or your LTI regional sales manager:

Laser Technology, Inc.
6912 S. Quentin St.
Centennial, CO 80112
www.lasertech.com
service@lasertech.com
1-303-649-1000