

Application Note

English



GEN DAQ API Standalone

GEN2tB wireless Start/Stop control using mobile phone

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For Perception 7.20 or higher

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Table of Contents

TABLE OF CONTENTS	3
1 INTRODUCTION	5
2 PREPARATION	5
3 GETTING STARTED	6
3.1 USE PERCEPTION TO SET THE LOCATION TO THE MAINFRAME.....	6
3.2 SET UP THE WIFI ROUTER STEP BY STEP.....	6
3.3 USE GEN DAQ API APP TO CONTROL THE GENESIS.....	12



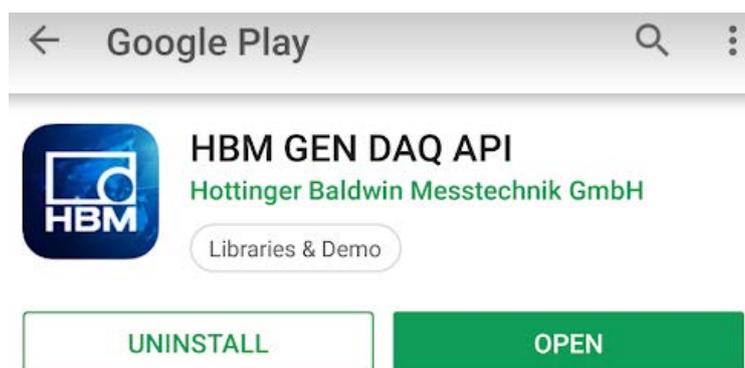
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1 Introduction

The document describes how to control the Genesis T-mainframes (GEN2tB, GEN3t, GEN7tA, GEN17tA) using your Android phone. It is useful when customer want use genesis mainframe as a standalone unit.

2 Preparation

- ❖ Download the HBM GEN DAP API app from google app-store:



- ❖ Download the TP-link Tether app

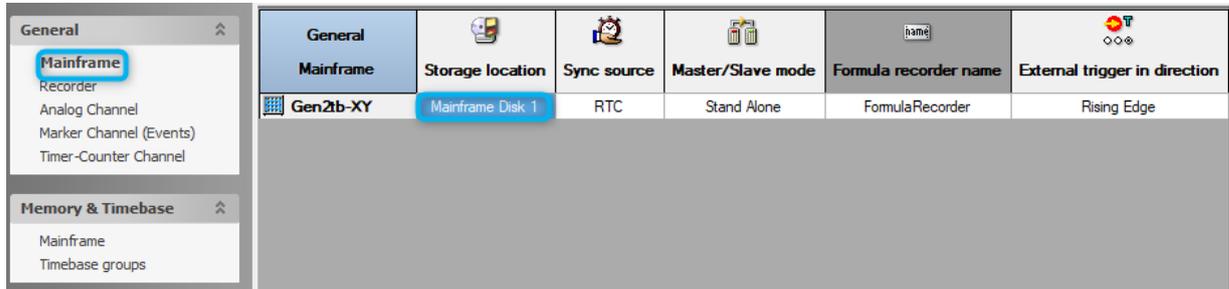


- ❖ One WIFI router, we use TL-WR802N for example.
- ❖ One Genesis T-mainframe with local storage, we use Gen2tB for example.

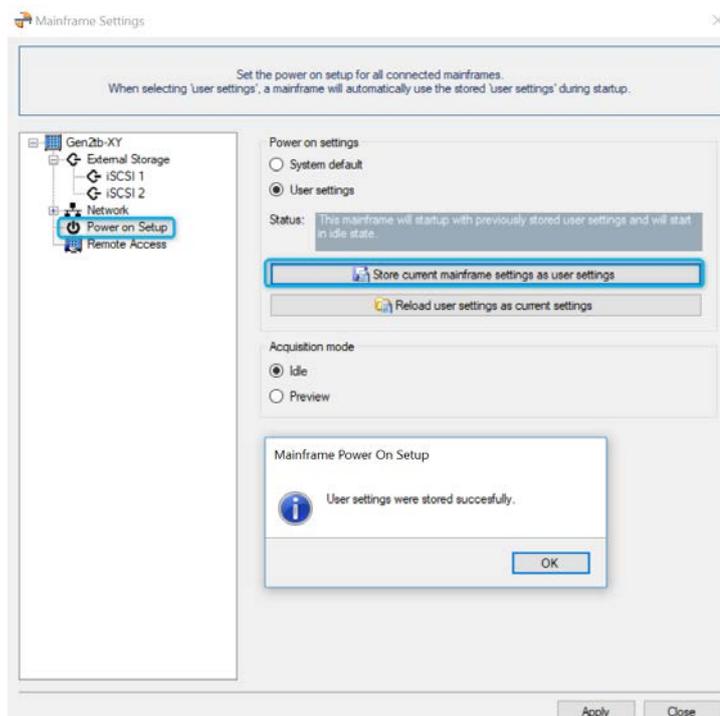
3 Getting Started

3.1 Use Perception to set the location to the mainframe.

- ❖ Connect Perception (v7.20 or above) to the mainframe, use Perception to set the storage location to mainframe disk:



- ❖ Enable Power on settings. You can store your current setting to the power on Setup, so every time you switch on the mainframe, the storage location will be set to the mainframe disk. Go to Settings->Mainfram settings.



- ❖ When above are done. Close Perception and unplug the Ethernet cable from Gen2tB.

3.2 Set up the WIFI router step by step

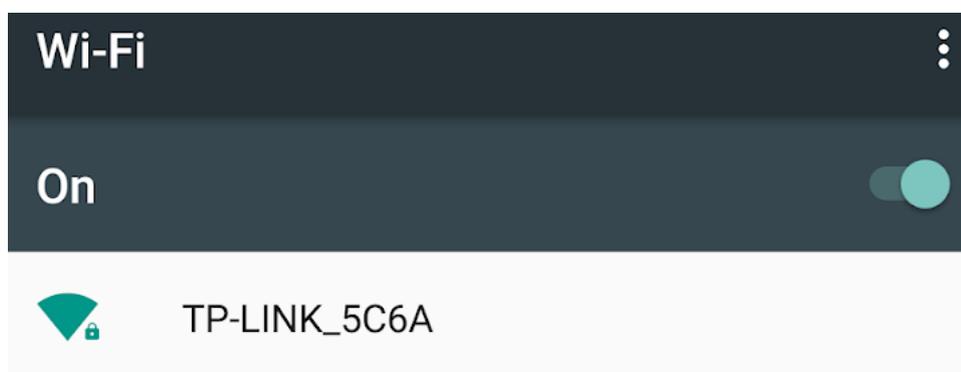
- ❖ The most important thing to set up your WIFI router is to know its password. Take the TL-WR802N for example, you can find this information in the backside of the WIFI router. The SSID is TP-LINK_5C6A and password is 25401257. In addition, you can find the default access username (admin) and password (admin) to <http://tplinkwifi.net>.



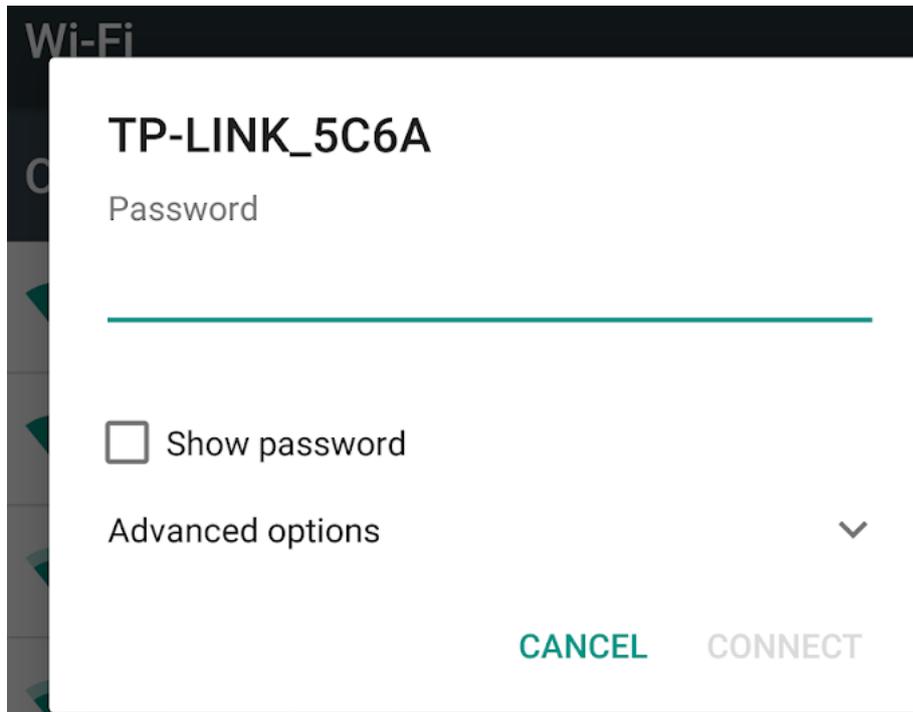
- ❖ Connect the WIFI router to the Gen2tB USB port and then power on the WIFI router with no Ethernet cable connected, like below.



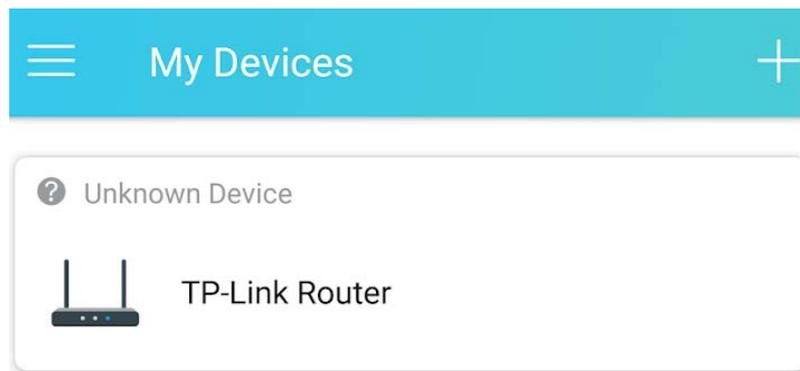
- ❖ Connect your mobile phone to its WIFI signal TP-Link_5C6A.



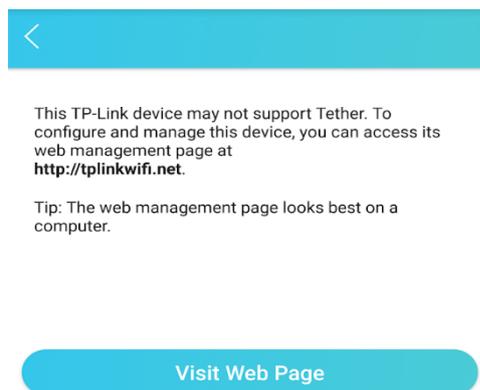
- ❖ Enter the password.



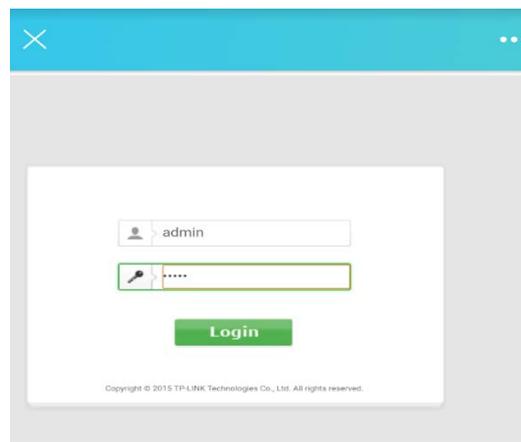
- ❖ Open the TP-Link Tether app on your phone and then choose TP-Link Router.



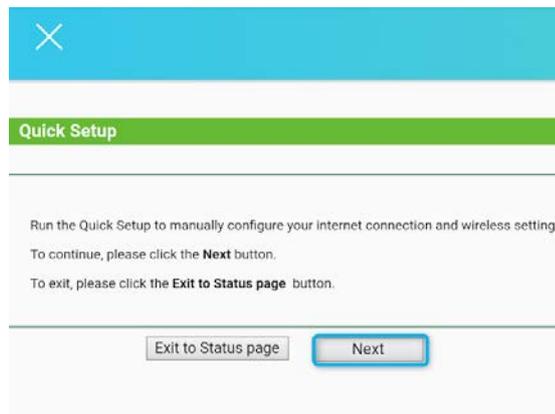
- ❖ Choose Visit Web Page.



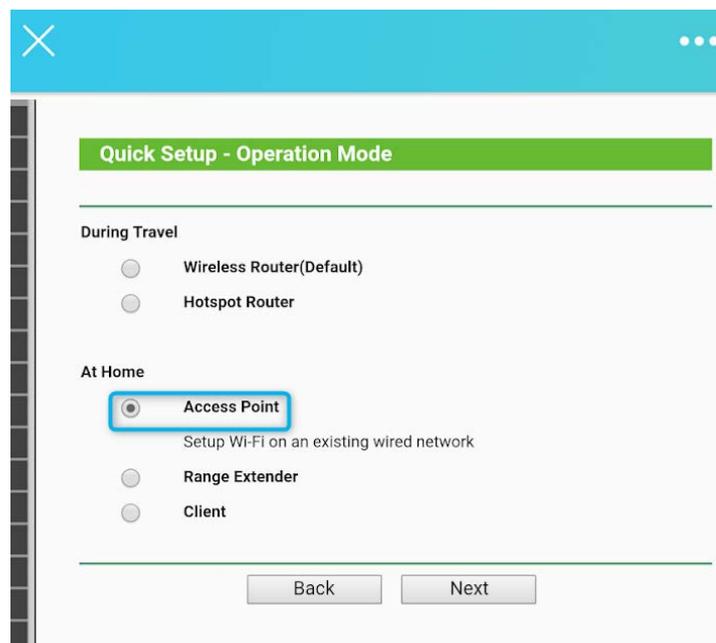
- ❖ Input the username and password, both **admin**.



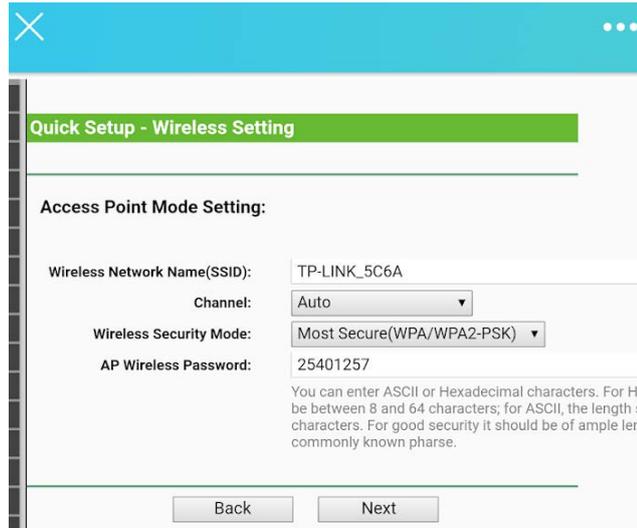
- ❖ Choose **Quick Setup** the router.



- ❖ Choose **Access Point**.



- ❖ Nothing needs to be changed below, so just click next.



Quick Setup - Wireless Setting

Access Point Mode Setting:

Wireless Network Name(SSID): TP-LINK_5C6A

Channel: Auto

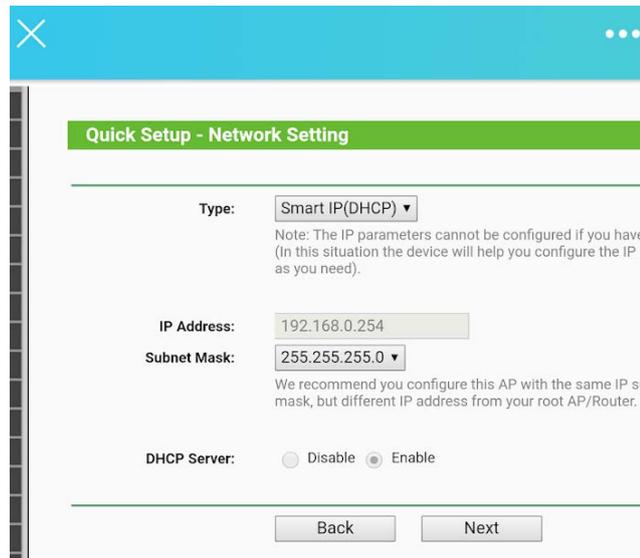
Wireless Security Mode: Most Secure(WPA/WPA2-PSK)

AP Wireless Password: 25401257

You can enter ASCII or Hexadecimal characters. For Hexadecimal characters, the length should be between 8 and 64 characters; for ASCII, the length should be between 8 and 64 characters. For good security it should be of ample length and not a commonly known phrase.

Back Next

- ❖ Choose **Smart IP(DHCP)** and click next.



Quick Setup - Network Setting

Type: Smart IP(DHCP)

Note: The IP parameters cannot be configured if you have selected Smart IP(DHCP). (In this situation the device will help you configure the IP parameters as you need).

IP Address: 192.168.0.254

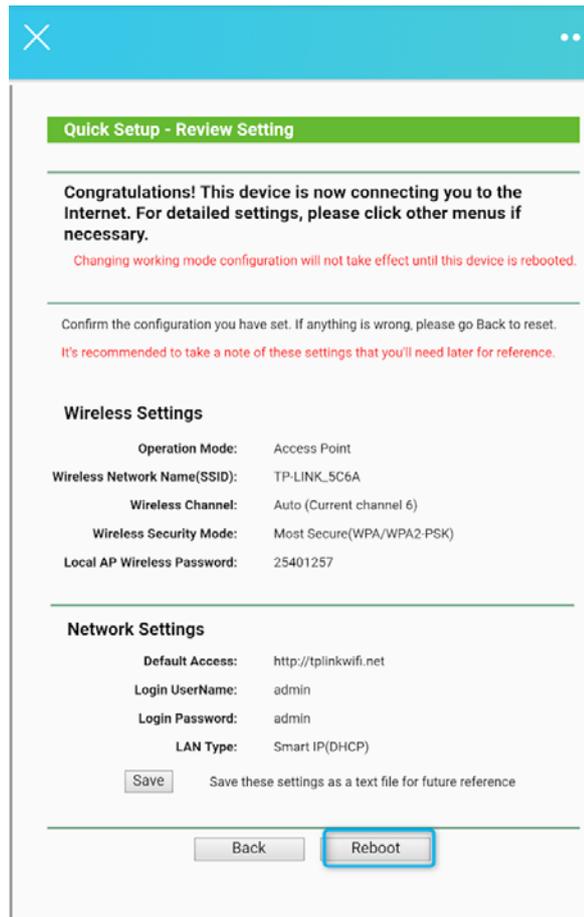
Subnet Mask: 255.255.255.0

We recommend you configure this AP with the same IP subnet mask, but different IP address from your root AP/Router.

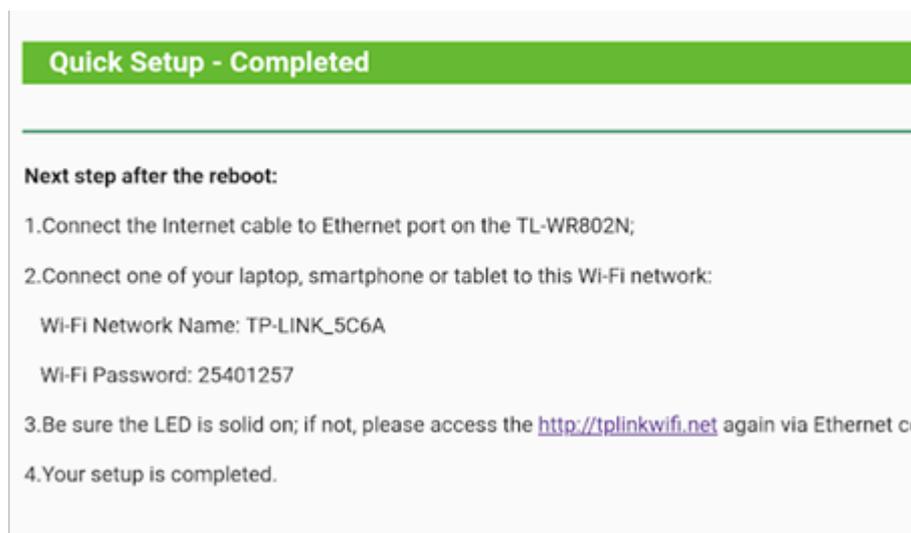
DHCP Server: Disable Enable

Back Next

- ❖ Click Reboot to **Reboot** your WIFI router.



- ❖ After reboot, you will get a Dialog to show you the setup is completed. You can close this Dialog now.



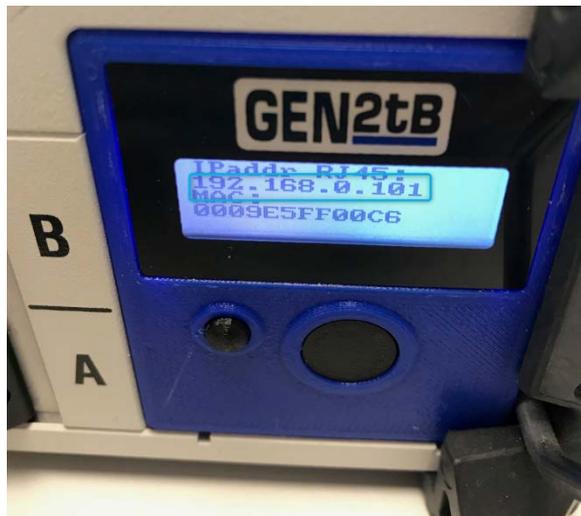
- ❖ Now you can connect the Ethernet cable between Gen2tB and WIFI router.



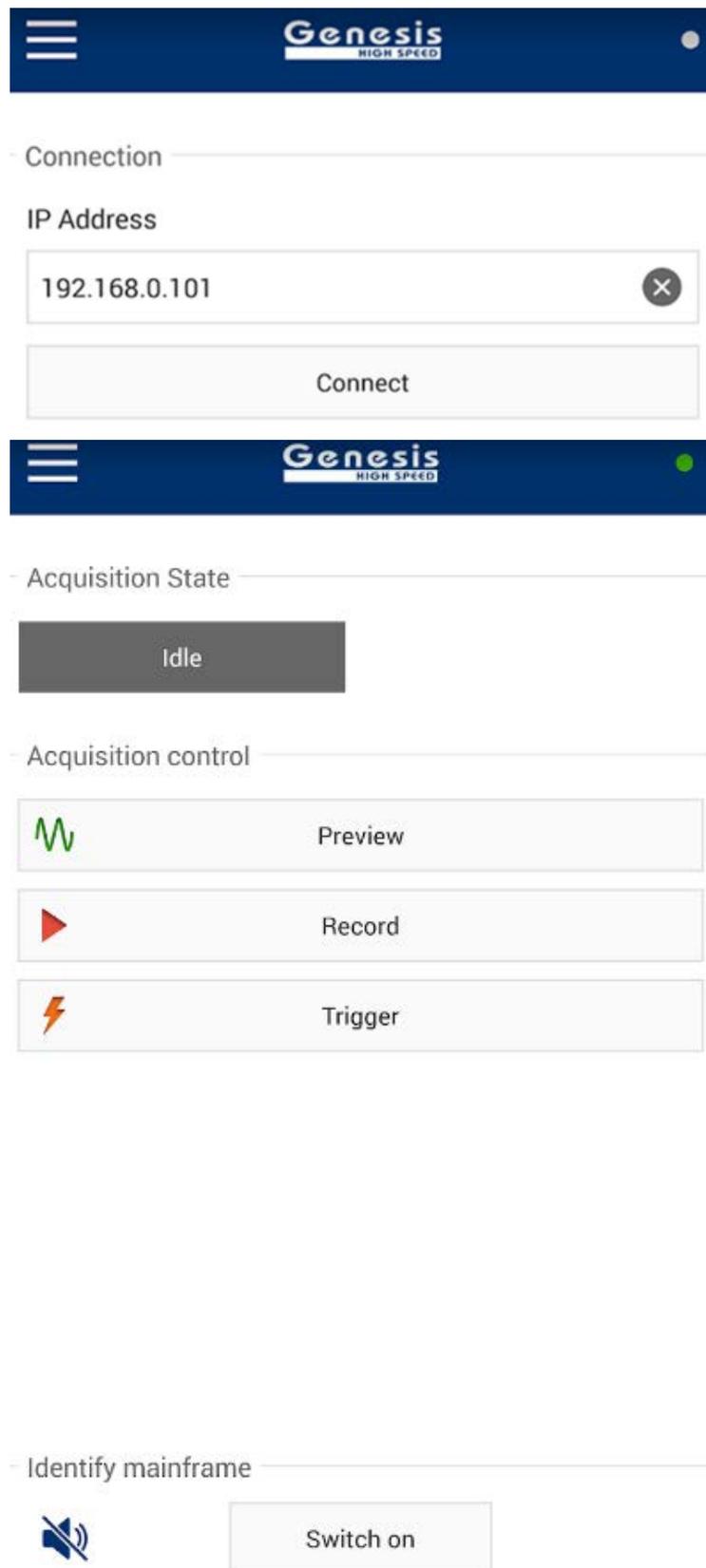
The router setup is finished, then you can go to next step to use GEN DAQ API app to control it.

3.3 Use GEN DAQ API app to control the Genesis

- ❖ Check the Gen2tB IP address (192.168.0.101) from its screen.



- ❖ Open the GEN DAQ API app on your mobile phone and input the IP address of the Gen2tB. Now you can use this app to control the Gen2tB.



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