

# goTenna PRO DEPLOYMENT KIT

## USER MANUAL

Part Number 900-00202 • Part Number 900-00212

This manual will go through some of the basic features, functionality, and the step-by-step process in setting up your goKit.

## KEY FEATURES

**Device Maintenance** - Charge, transport, and automatically execute radio updates.

**Cloud Sync** - Automatically syncs with the goTenna Pro Management Portal to ensure all software is up-to-date via synchronization with the Management Portal.

**Mobile Application Deployment** - Wirelessly install any application to your IOs or Android device completely off-grid.

**Power Bank** - Integrated rechargeable power offering 99Wh of auxiliary power.

**Flexible storage** - Two integrated storage containers for carrying antennas, satellite backhaul stations, or anything else needed.

**Touchscreen** - Included 7-inch Touch Screen display for intuitive and rapid operation.

**A/C & Auxiliary Power** - Accepts A/C (Part #900-00202 accepts 110v and Part #900-00212 accepts 110V-240V) and 12V DC auxiliary external power sources for operation and long-term storage.



## GET TO KNOW YOUR GOKIT

1. 7-inch touch screen display for intuitive and rapid operation
2. HDMI Port
3. Ethernet Port
4. Water proof power plug cap (3' AC Plug Provided rear)
5. Internal rechargeable 99Wh LFP battery power bank
6. 30 charging and updating bays for goTenna Pro devices
7. 4 auxiliary USB 2.0 Ports
8. Battery check LED button
9. 3-stage power toggle switch\*
10. Power switch for goKit computer
11. Auxiliary 12VDC external power source input
12. Integrated storage containers

## TOGGLE SWITCH

There are 3 options to keep in mind (#9 in figure above)

**Off Position** - By flipping the button all the way down to off, the unit will not operate and no units will charge.

**Storage Position** - By flipping the switch one notch to the middle storage position, the goKit will remain on and the goTennas will continue to charge but only while connected to the external power (A/C or 12V D/C power).

**\*\*\*The recommended operation of a goKit is that it be left in storage mode with the computer toggled ON and connected to the internet/portal for long-term storage. This will allow constant updates, while ensuring that if power is ever interrupted in an emergency, the goKit will power down automatically and not waste power continuing to power the kit\*\*\***

**On Position** - If the user flips the switch one notch higher, the kit will be placed in On Mode. Once in On mode the kit will continue to operate off of external power if available. If it is not available or interrupted, it will automatically continue to operate on internal battery power until depleted.

## SETTING UP GOKIT

1. Plug the kit into a 110 to 240V (Part #900-00202 accepts 110v and Part #900-00212 accepts 110V-240V) Vac 50-60 Hz power source using the power cable included or a suitable replacement. Non-US users may need a plug adapter from US 3-Prong to their national configuration.

2. Open the kit and insure all goTenna Pro radios are firmly seated in their charging docks.

**NOTE:** If goTenna Pro is not fully charged, the light indicator will display red when plugged in to power. The indicator will turn blue when the unit is fully charged. To optimize for longer battery life, the unit executes automatic battery conditioning cycles. You will notice this during charging when the indicator turns red for about 20 minutes, then returns back to blue. goTenna Pro units may become warm during charging. This is normal and does not cause any damage.

3. Turn the kit on by flipping the toggle switch (#9) to Storage Mode or On Mode.

4. Push the 'Computer Power' button (#10) to boot up the goKit computer.

5. The computer will take around one minute to fully load prior to setting up.

## GOKIT DEPLOYMENT COMPUTER

The goKit Computer has two primary operating modes. Standby and Deployment Mode. While in standby mode the goKit connects to the Management Portal and pulls down any new software such as apps and firmware to store locally for later deployment while disconnected in the field. While in Deployment Mode the goKit disconnects from external networks and creates its own local network via WiFi where operators can acquire any of the software that was previously stored on it. This is particularly of use for setting up new partners/users offline who have their own Android/iOS devices, but did not install the requisite software to operate the goTenna hardware beforehand.

## SETTING UP THE GOKIT COMPUTER

1. Configure and Connect to the WiFi

- The Touch Screen will take around one minute to fully load prior to setting up.
- With your finger, select any white area under Password and enter the correct password using the pop-up keyboard or you can enter the password by plugging in a keyboard into an available USB Port, followed by Enter.

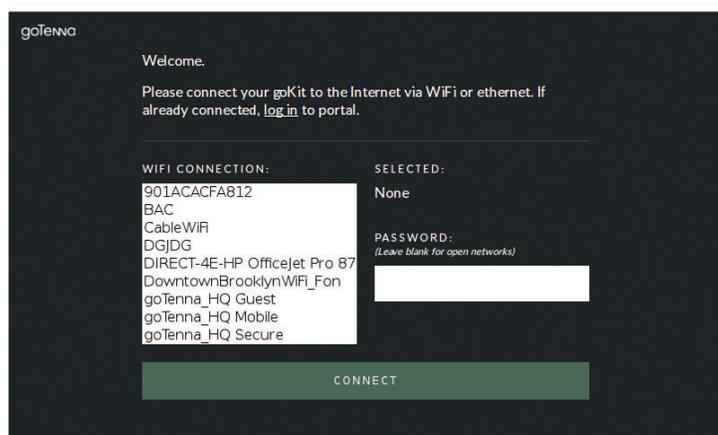
### Part 1: Creating goKit account in the admin portal

- Your portal administrator must create a goKit ID from the online management portal. When doing so the admin can select both a goKit ID and a password for that ID.
- The goKit ID must then be added to a goKit group and have the proper frequency sets and applications the admin would like on that particular goKit or set of goKits added to it and saved.

**\*\*Please see goTenna Management Portal Quick-start guide for Admins if you are an Admin and need more information on the operation of the portal\*\***

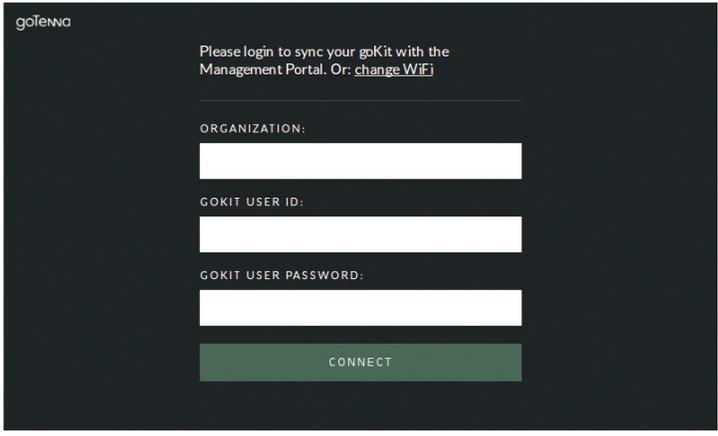
### Part 2: Setting up goKit

- Connect your goKit to the internet (default via WiFi)
  - The Touch Screen will take around one minute to fully load prior to setting up.
  - With your finger, select any white area under Password and enter the correct password using the pop-up keyboard.
- After connecting to the WiFi, you will see the Sign-In page that syncs with the Management Portal. You will enter the Organization, goKit User ID, and goKit User Password as set by the Admin in Step 1.



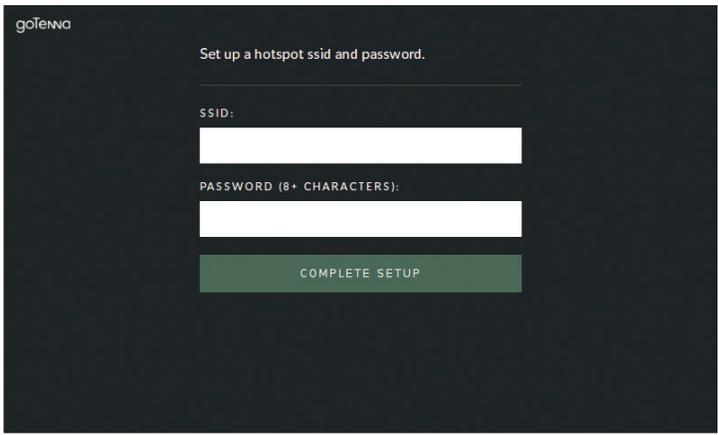
## SETTING UP THE GOKIT COMPUTER (CONT.)

**\*\* Note:** You will have to secure the goKit ID and password from your Portal administrator\*\*



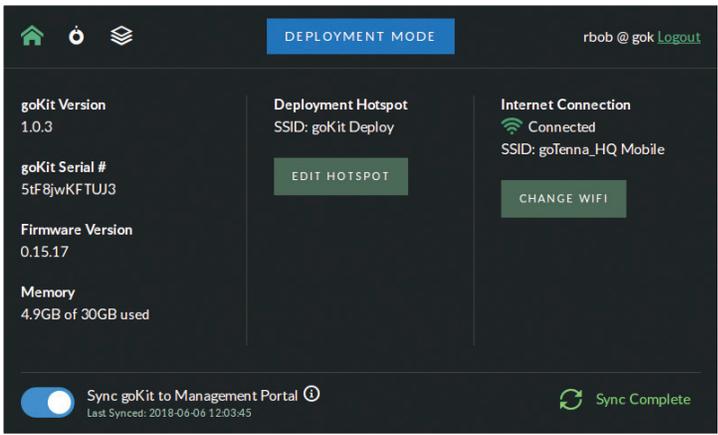
The screenshot shows a dark-themed login screen for goTenna. At the top left is the goTenna logo. The main text reads: "Please login to sync your goKit with the Management Portal. Or: [change WiFi](#)". Below this are three input fields: "ORGANIZATION:", "GOKIT USER ID:", and "GOKIT USER PASSWORD:". At the bottom is a green button labeled "CONNECT".

3. On the next screen you will be prompted to enter the name of the deployment WiFi and password you would like end users to use to access the goKit for deployment in the field.



The screenshot shows a dark-themed screen for setting up a hotspot. At the top left is the goTenna logo. The main text reads: "Set up a hotspot ssid and password.". Below this are two input fields: "SSID:" and "PASSWORD (8+ CHARACTERS):". At the bottom is a green button labeled "COMPLETE SETUP".

Upon completing this last page of on-boarding, the goKit will land on the goKit home screen in standby mode. It will then take some time to download all of the appropriate apps and other software for local storage. This time will depend on how many custom applications your organization has loaded into the portal for the goKits to deploy and the speed of your internet connection. When the download is completed you will see "Sync Complete" in the bottom right corner of the goKit Home Screen.

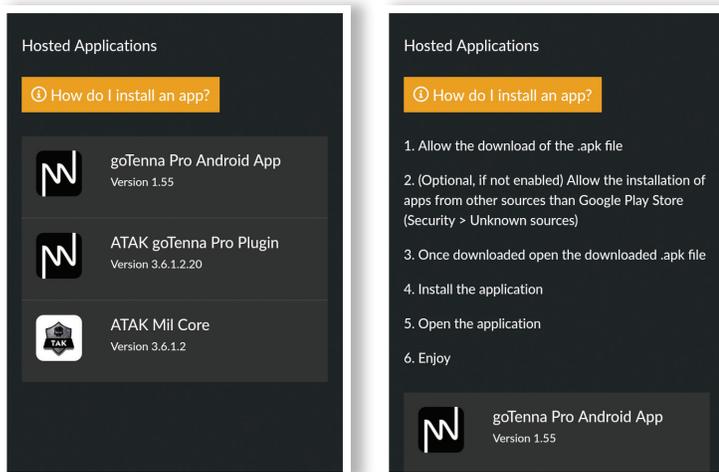


The screenshot shows the goTenna home screen in "DEPLOYMENT MODE". At the top right, it displays the user "rbob@gok" and a "Logout" link. The screen is divided into three main sections: "goKit Version" (1.0.3), "goKit Serial #" (5tF8jwKFTUJ3), and "Firmware Version" (0.15.17). Below these is "Memory" (4.9GB of 30GB used). The "Deployment Hotspot" section shows "SSID: goKit Deploy" and an "EDIT HOTSPOT" button. The "Internet Connection" section shows "Connected" and "SSID: goTenna\_HQ Mobile" with a "CHANGE WIFI" button. At the bottom, there is a toggle for "Sync goKit to Management Portal" (which is turned on) and a "Sync Complete" indicator with a refresh icon. The last sync time is "2018-06-06 12:03:45".

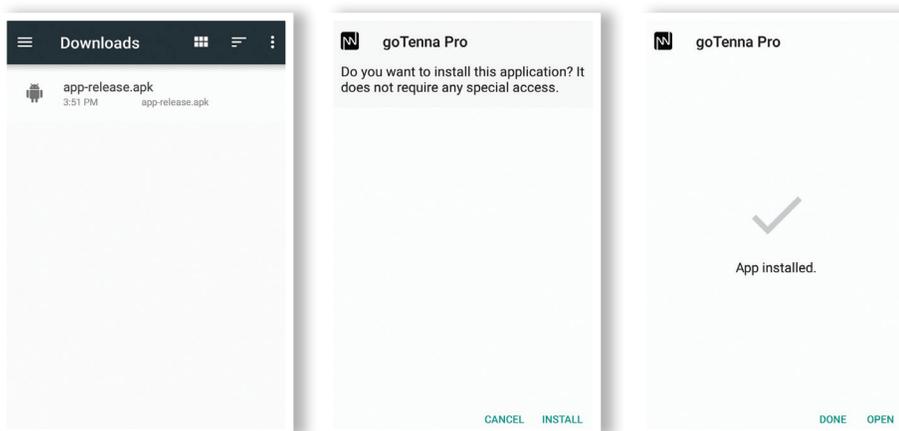
## DEPLOYING APPLICATIONS

1. Connect any iOS or Android device to the goKit using the SSID and password provided by the goKit (what you set during on-boarding).
2. Upon connecting, open any browser and enter a NON-CACHED website address such as XYZ.com and press enter. Any cached site, such as a google search, will fail. You must use a full website address, any random letters will work, as long as they end in .com. Upon doing so you will be redirected to the app installation page where you can select any app you would like to install off grid. See the below examples of when you launch the web browser using an Android device.

1. Launching the browser when you are connected to goKit



2. View and select the appropriate .apk file in the Downloads folder and install



**\*Note for Android Users:** You will be prompted to allow installation from unknown sources. This is required to allow installation of a file not distributed by the Play Store.

**\*Note for iOS Users:** The goKit can only deploy ENTERPRISE-SIGNED iOS app files (.IPA). Once the app is installed however, you will still need a small internet connection to verify the validity of the enterprise certificate with Apple before the app will run. For this we recommend purchasing the optional BGAN satellite station with your goKit if you must use iOS. The validation is very small in bandwidth and fast, allowing effective offline deployment of iOS as the bulk of the app file is done locally, but due to Apple security restrictions fully offline deployment is impossible. For Android this is not a problem.

## WHEN DOES THE GOKIT SYNC WITH THE MANAGEMENT PORTAL?

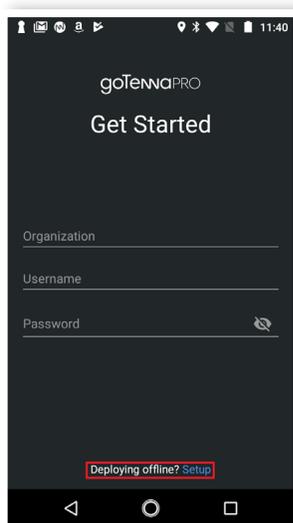
1. When Logging into goKit.
2. Automatically every 10 minutes after that.
3. When you toggle the blue button at the bottom left of the screen next to “Sync goKit with Management Portal” while in Standby mode.

**Note:** When the goKit is in “Deployment Mode”, it will be unable to sync with the Management Portal.

## GOKIT PROVISIONING OF APPLICATION USER ACCOUNTS:

After installing the applications on an end-user’s phone, the user will be prompted to log into the portal to complete on-boarding. In a situation where the goKit is used to deploy it is unlikely that the portal will be available. Due to this the goKit is able to function as an alternate way to complete on-boarding.

Under the portal login screen within the applications (see below), you will see an option to “Setup Offline.” Within that option you will see an option to set up via the goKit. Pressing that will allow you to connect to the goKit via Wi-Fi, or if already connected, you may simply back out of that screen to automatically detect the goKit and download the necessary settings and licenses required to complete onboarding offline.



At this current time, there is no way to edit frequencies from the goKit.

The goKit is only a conduit for frequency sets that are created in the portal and then passed to it.

If a Service User is available, it may also be used to provision users offline after the app has been installed by the goKit.





goTenna

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