

acromate

Acrobox (AM114D) User Manual



2021-04-05

V1.0

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Preface

This guide tells the user who purchased the AM114D how to install the product and how to solve problems after installation. Before handling this product, please read this manual carefully and follow the instructions to use the product properly.

In addition, after reading the manual, keep it well and make it available before and after installation and handling, and when the manager changes, be sure to give it to your successor manager so that you can use the product correctly.

※ The contents of this manual and illustrations are subject to change without notice.

※ The contents of this guide are protected by copyright law. Therefore, the contents of the guide cannot be changed without permission.

※ Do not disassemble, repair or modify this product as it may cause personal injury and property damage due to electric shock, malfunction, malfunction, static electricity. If repair is required, please contact us.

Cautions

Prohibit product disassembly



Physical damage due to electric shock, failure, malfunction, or static electricity. Do not disassemble, repair, or modify anything. Contact your main office if you need repairs.



Strict adherence to operating conditions

Each product will operate normally within the conditions specified in the Product Specification Table provided in Chapter 1 Overview in the Handling Manual. Therefore, observe each operating condition strictly.



Warnings of hazards that may occur under the conditions of the installation site

Do not install or operate the product in places where the temperature is too high or too low, where there is no ventilation or airtightness, where there is a lot of moisture, dust, or mechanical vibration to prevent human or physical damage that may result from causing or causing problems in the product. Since this product is not waterproof, if water permeates, human or physical damage is caused by electric shock or failure.



Don't wear them with accessories.

Do not wear accessories such as rings, necklaces, or watches when handling products. Metal products can cause electric shock, static electricity, and fire, resulting in human and physical damage. Also, do not wear loose clothing, ties, slippers, etc. as they may cause a safety accident.



Electromagnetic Wave Warning

Electromagnetic waves affect this product and cable etc. causing confusion in signal processing, resulting in abnormal operation. Therefore, do not install or operate this product where electromagnetic waves are generated.



Electric shock warning

Do not touch the power unit when the power cord is connected. A system with a power switch has an internal current when the power cord is connected, even if the power switch is turned off.



Warning against overheating

If sufficient space is not available when installing an over-boned product, air escaping from the surrounding equipment may enter and cause failure and malfunction due to overheating of the product.

1. Introduction

Acrobox is the Server and Router that uses the acromate client application.

All Acrobox and all Acromate APP can be connected each other through the network in worldwide.
Send and receive call and message and data contents.

Software Functions

- Cloud Storage Server
- File Sharing / Automatic Upload / Anywhere Access
- Embedded Multimedia Player with HDMI out
- Free Voice & Video Call Server
- PSTN Callout
- Free Messaging Server
- Acromate client Application (Android / iOS / Windows)
- Phone Number ID

Router

- Hardware NAT
- Dual-band MIMO WIFI Router (802.11 a/b/g/n/ac)

: Operates at the same time 2.4GHz/5GHz.

: Simultaneous Use SSID acrobox_XXX_2.4G, acrobox_XXX_5G.

Simultaneous Transmits	ANTENNA 1	ANTENNA 2
Support (MIMO)	2.4GHz	2.4GHz
Support (MIMO)	5GHz	5GHz
Support	2.4GHz	5GHz
Support	5GHz	2.4GHz
Support (MIMO)	2.4GHz+5GHz	2.4GHz+5GHz

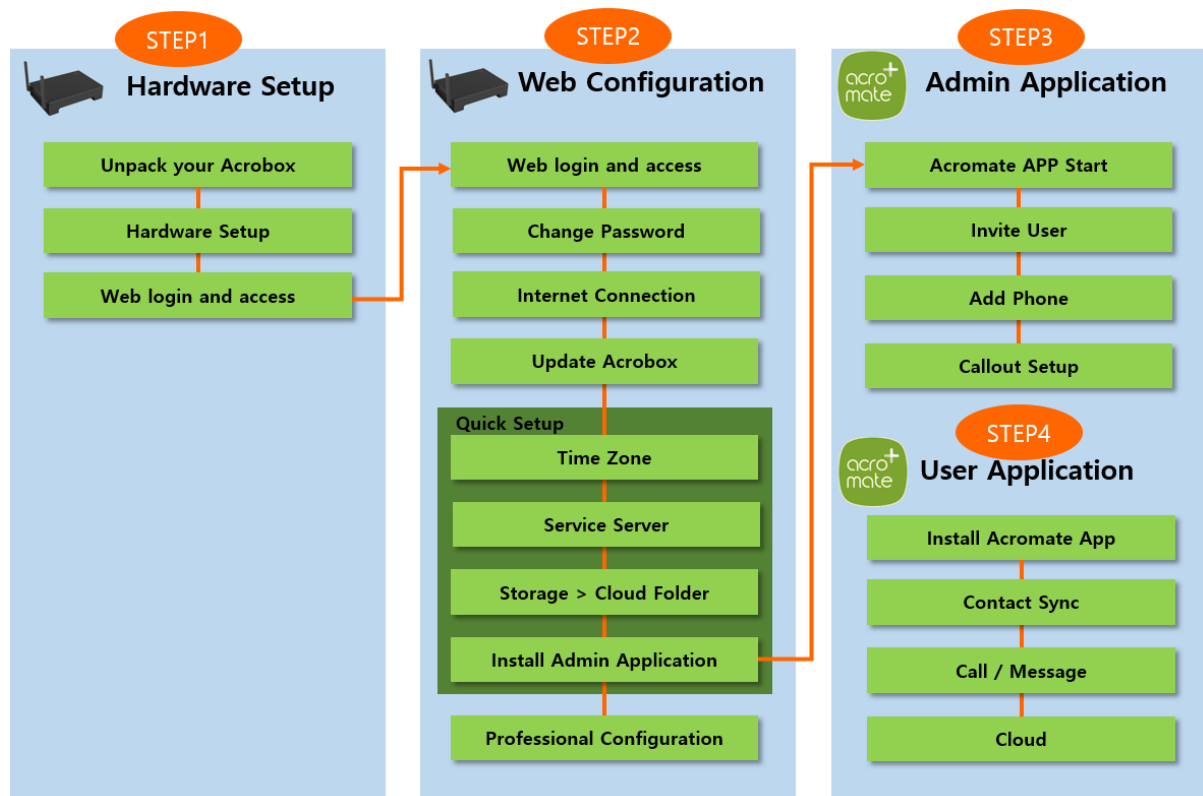
This User Manual explain how to use Acrobox(AM114D) and Acromate APP in 4 STEPs.

STEP1. Acrobox (AM114D) Hardware Setup

STEP2. Acrobox (AM114D) Web Configuration with Web-browser Interface

STEP3. Acromate APP for administrator menu (Invite User / Add Phones / Set Call-out)

STEP4. Acromate APP for user (Basic functions)



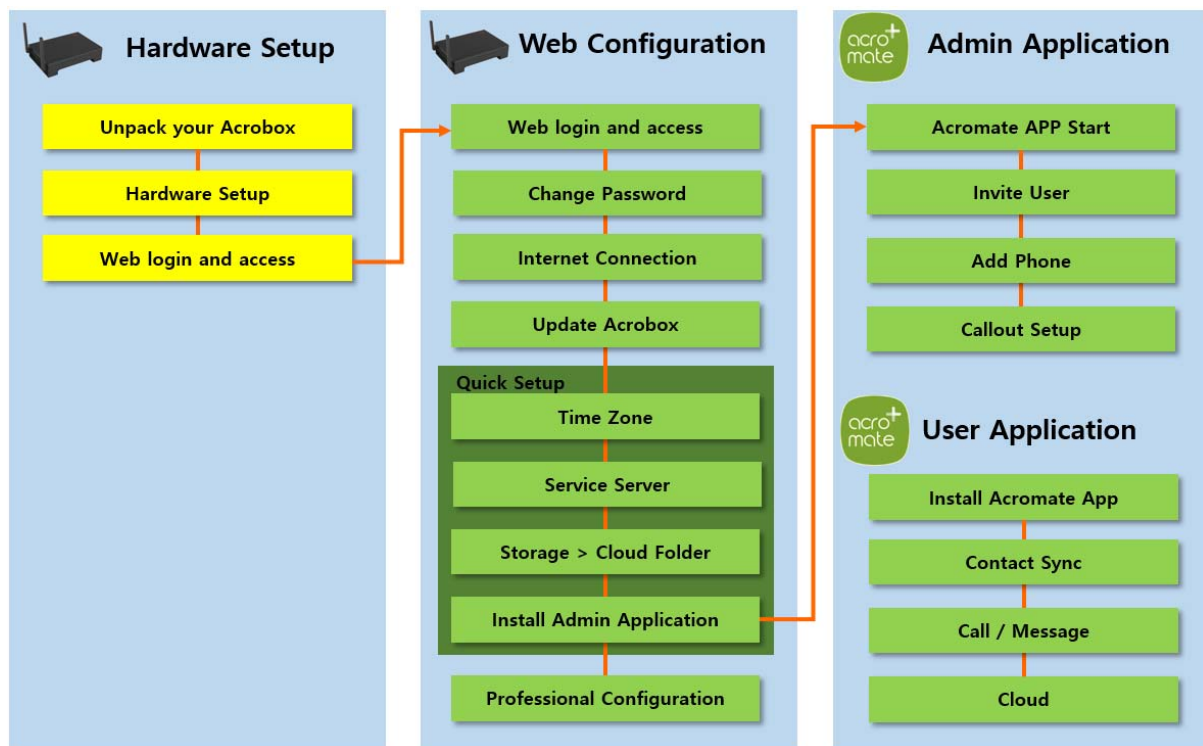
Online Resources

Download Center: <https://www.acromate.com/download>

Technical Support: <https://www.acromate.com/support>

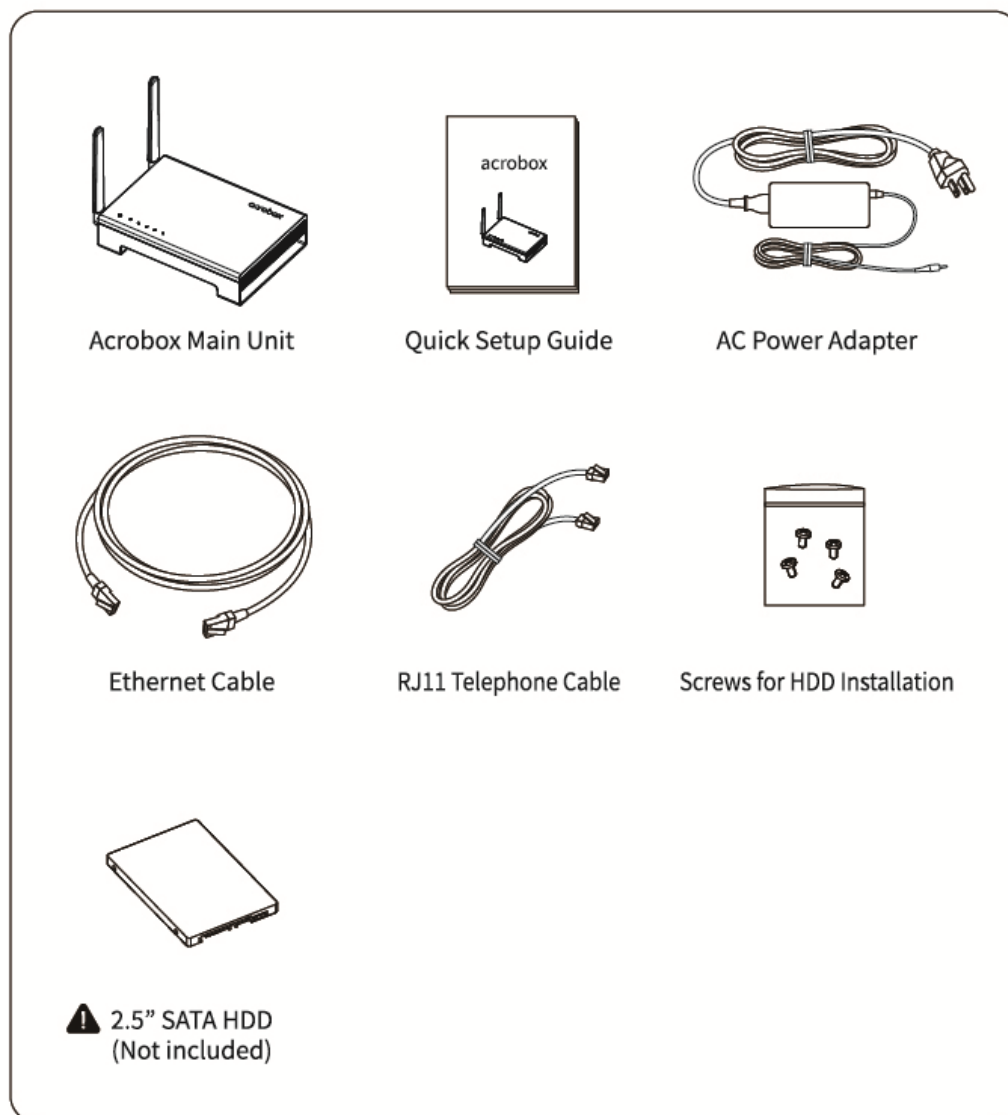
2. Hardware Setup

This chapter explains Acrobox (AM114D) hardware Setup.



2.1. Unpack your Acrobox

Package Contents



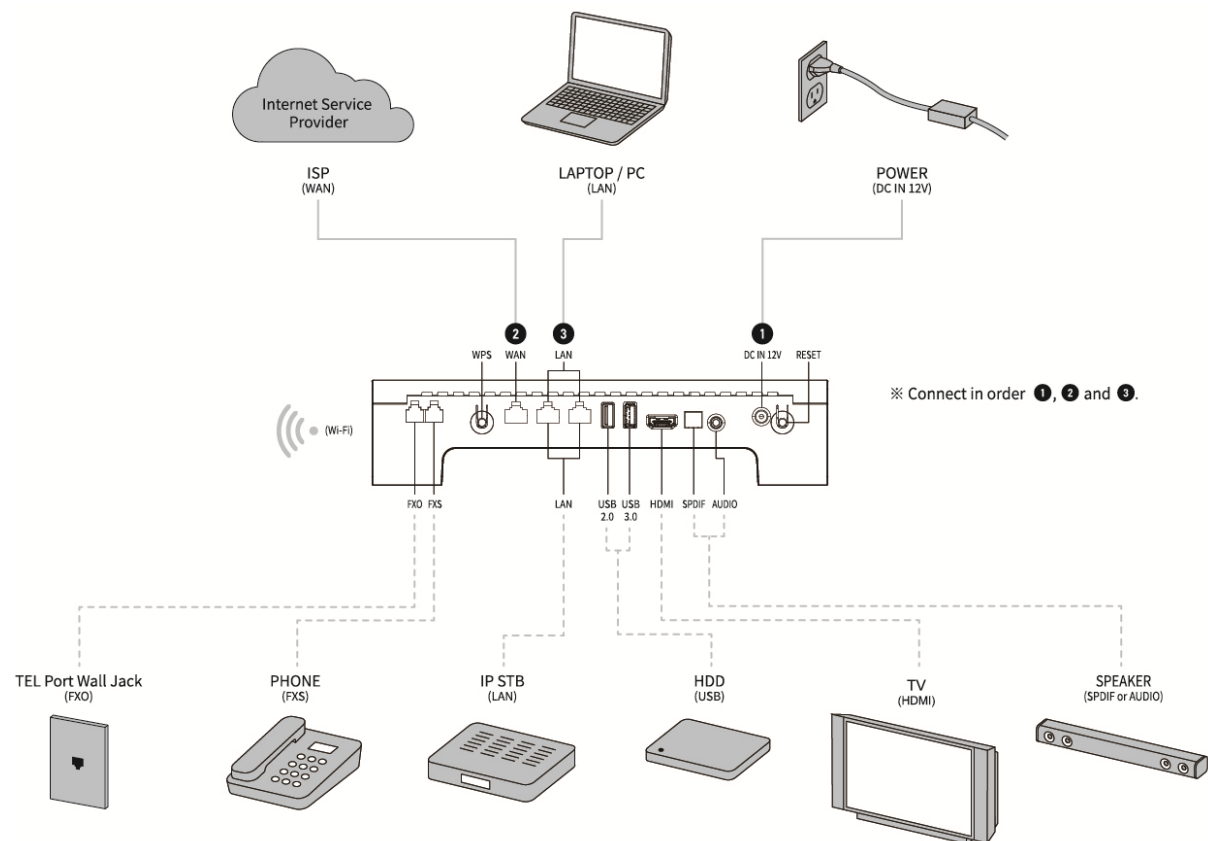
※ Product Limited Warranty will be automatically issued along with setting-up procedure via web.

If any parts are incorrect, missing, or damaged, contact your Acrobox dealer. Keep the carton and original packing materials in case you return the product for repair.

Hardware Features

- RTD1296 ARM A53 Quad Core
- RAM 2GB / Flash Memory 4GB
- Dual Band MIMO Wi-Fi Router (802.11 a/b/g/n/ac)
- Gigabit WAN 1 port / LAN 2 port
- Support Hardware NAT
- Analog Gateway (FXO, FXS) for VoIP
- HDMI 2.0, SPDIF, Audio-out for Multimedia player
- USB2.0 & USB3.0 for external Storage
- Internal SATA for 2.5" HDD
- WPS button
- Reset button (Reset / Web Password & Network Reset)
- AC 100-240V / DC IN 12V 3.5A
- Operating Temperature 0 - 50°C
- Operating Humidity 0 - 80%
- W260mm X D190mm X H60mm

Connect the Hardware



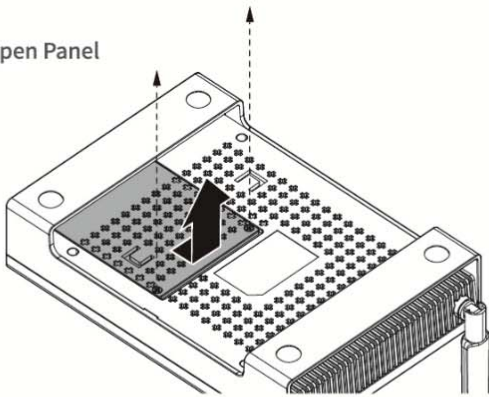
LED Indicators

Indicator	Status	State
Power	On	The power is On.
	Off	The power is Off.
WAN	On	The WAN IP address is assigned.
	Flashing	The WAN IP address is not assigned.
	Off	The WAN port is not connected.
LAN	On	At least one LAN port is connected.
	Off	No LAN port is connected.
Wi Fi	On	The wireless is working properly.
	Off	The wireless is disabled.
	Flashing	WPS handshaking is in process.
HDD	On	The HDD is connected.
	Off	The HDD is not connected.
VoIP	On	The PSTN line is connected.
	Flashing	The FXO or FXS line is busy.
	Off	The PSTN line is not connected.
All LED	Flashing	Initializing Web Login PW and Wi-Fi PW .
	Flashing over 10 sec	Factory Resetting via Web browser.

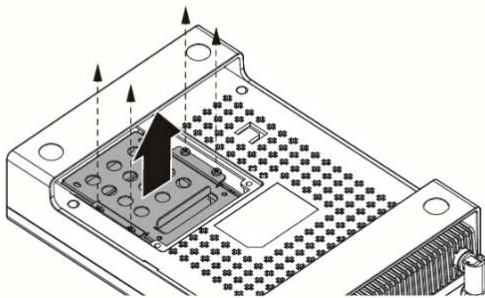
2.2. Hardware Setup

Install HDD (*Skip this step if using external HDD as your data storage)

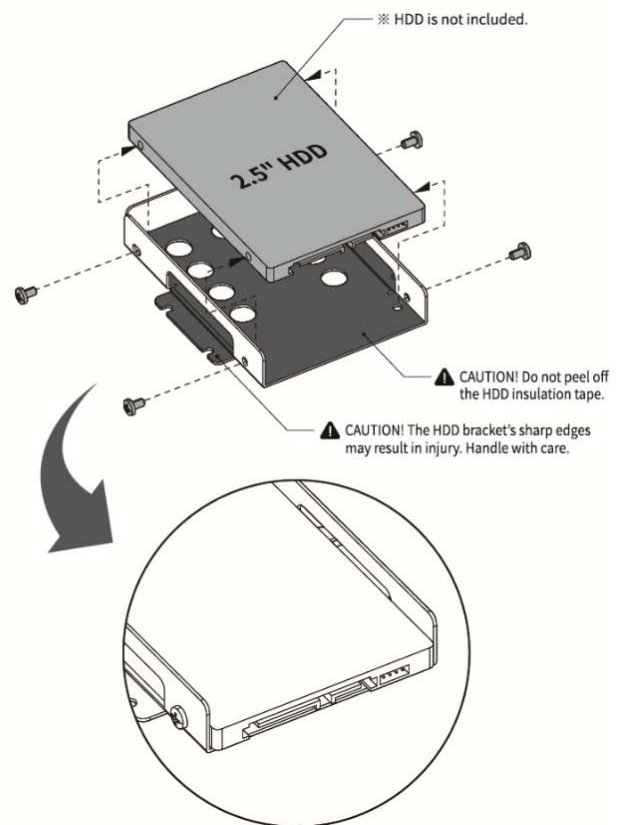
1 Open Panel



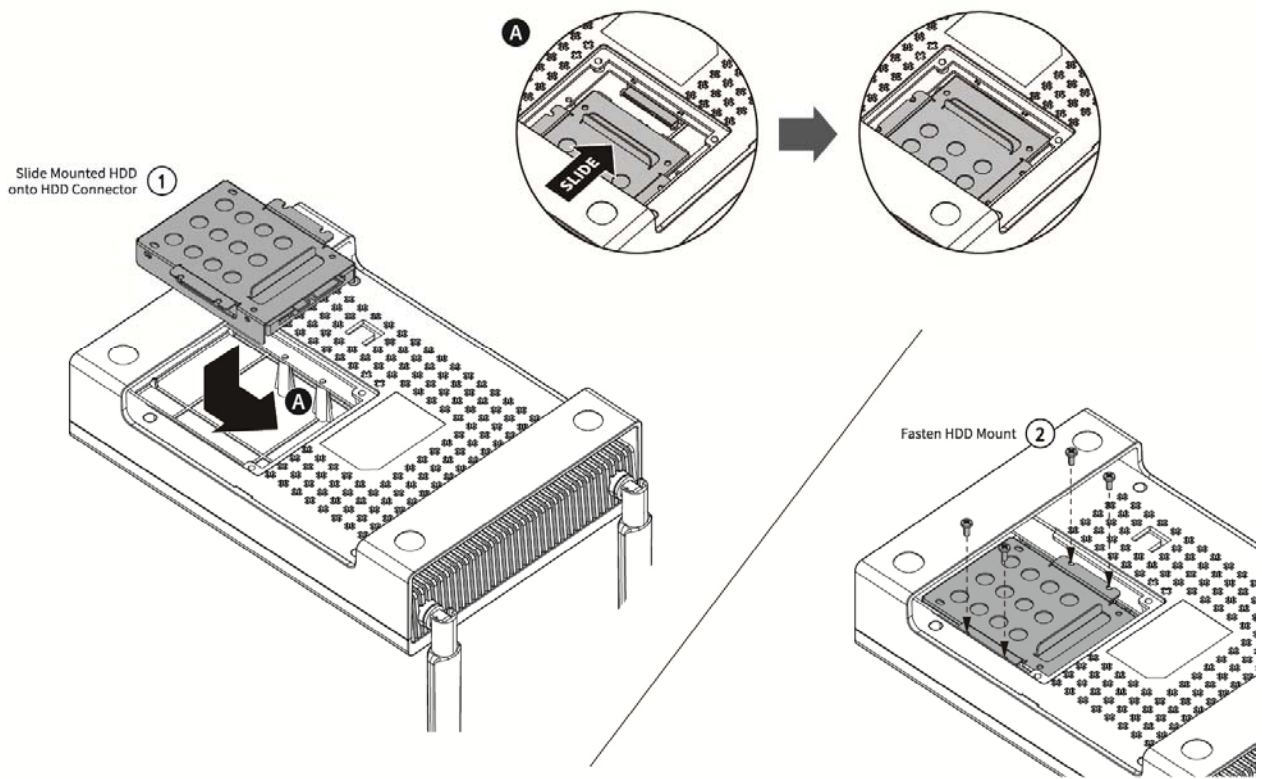
2 Release HDD Mounting Bracket



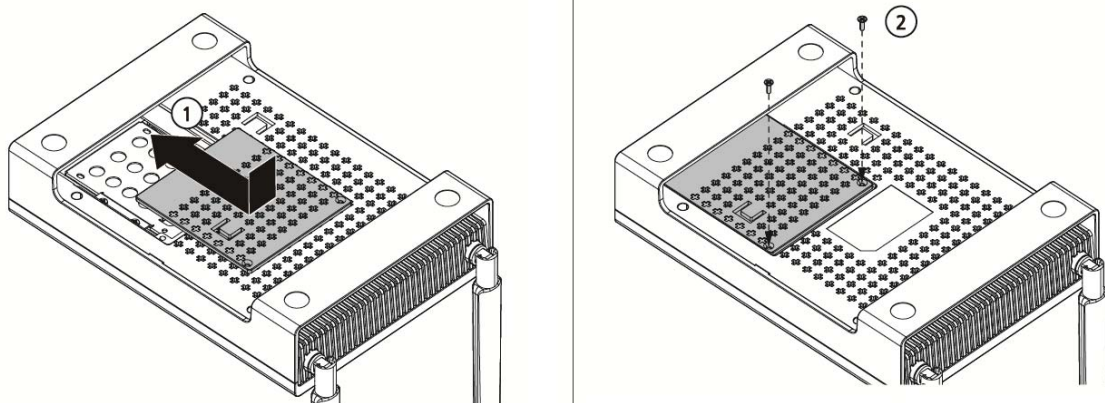
3 Mount HDD onto Bracket



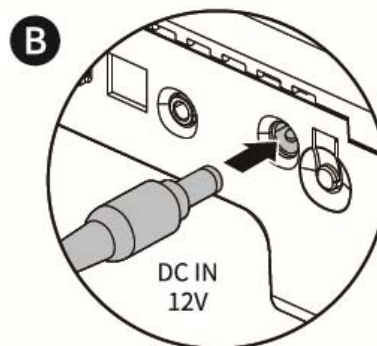
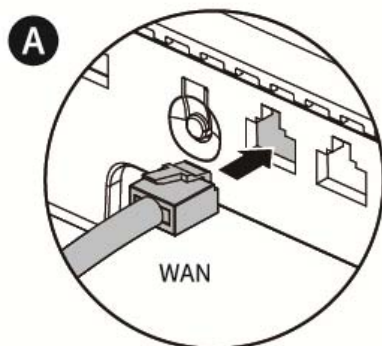
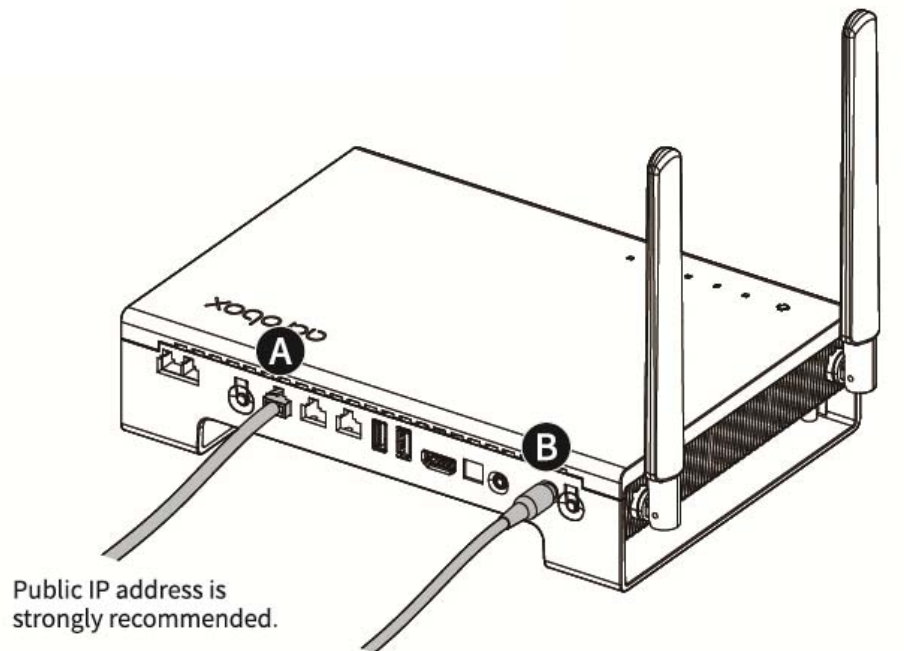
4 Connect HDD to Acrobox



5 Close Panel



Connect Power and WAN



WAN LED Indicator

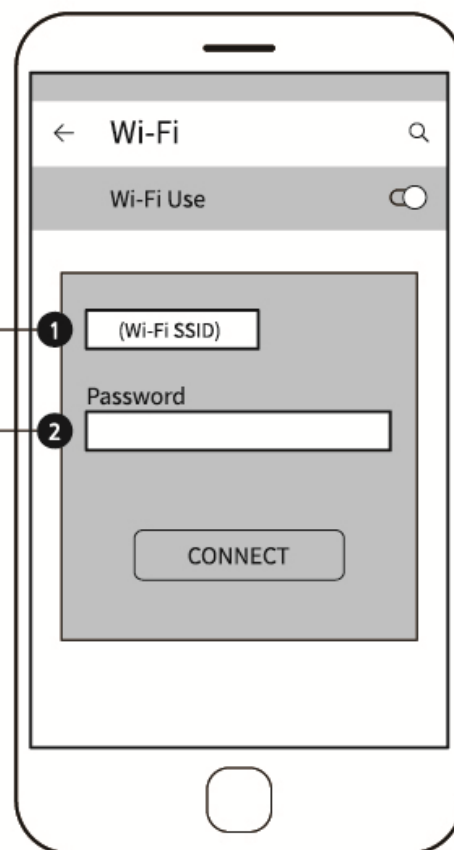
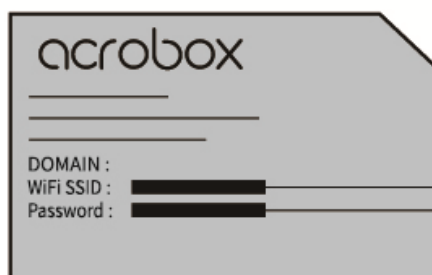
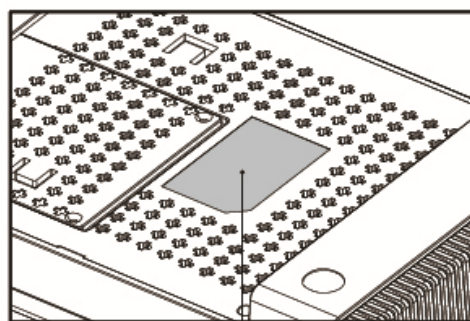
On : IP address is assigned.

Off : Ethernet connection is not established.

Flashing : Connected, but IP address is not assigned.

2.3. Configure via Web Browser

1 Connect to Acrobox's Wi-Fi



Connect to Wi-Fi by using the SSID and Password printed on the product label at the bottom of the Acrobox.

2 Login to Acrobox via web browser



Open the web browser (IE / Chrome / Safari / Internet Browser).
Enter **http://192.168.0.1:8000** in the address field of a web browser.
Use password printed on the product label at the bottom of Acrobox,
and then click LOGIN.

* Download manual at : www.acromate.com/download/am114d

http://192.168.0.1:8000

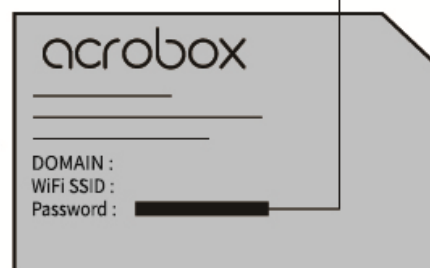
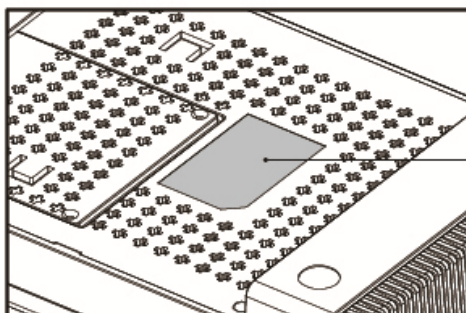
acrobox

Language

Login ID
admin

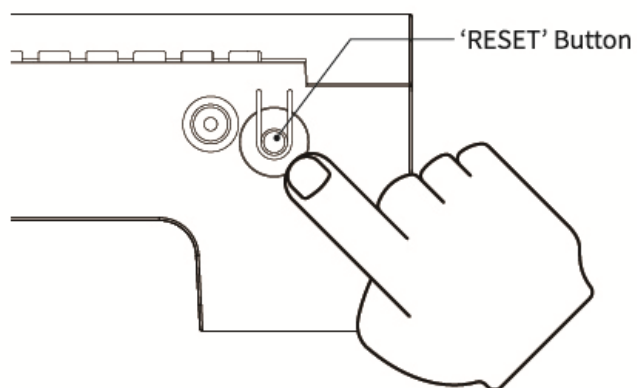
Password





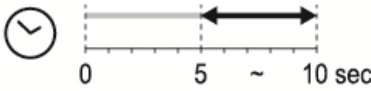
LOGIN





Reset function



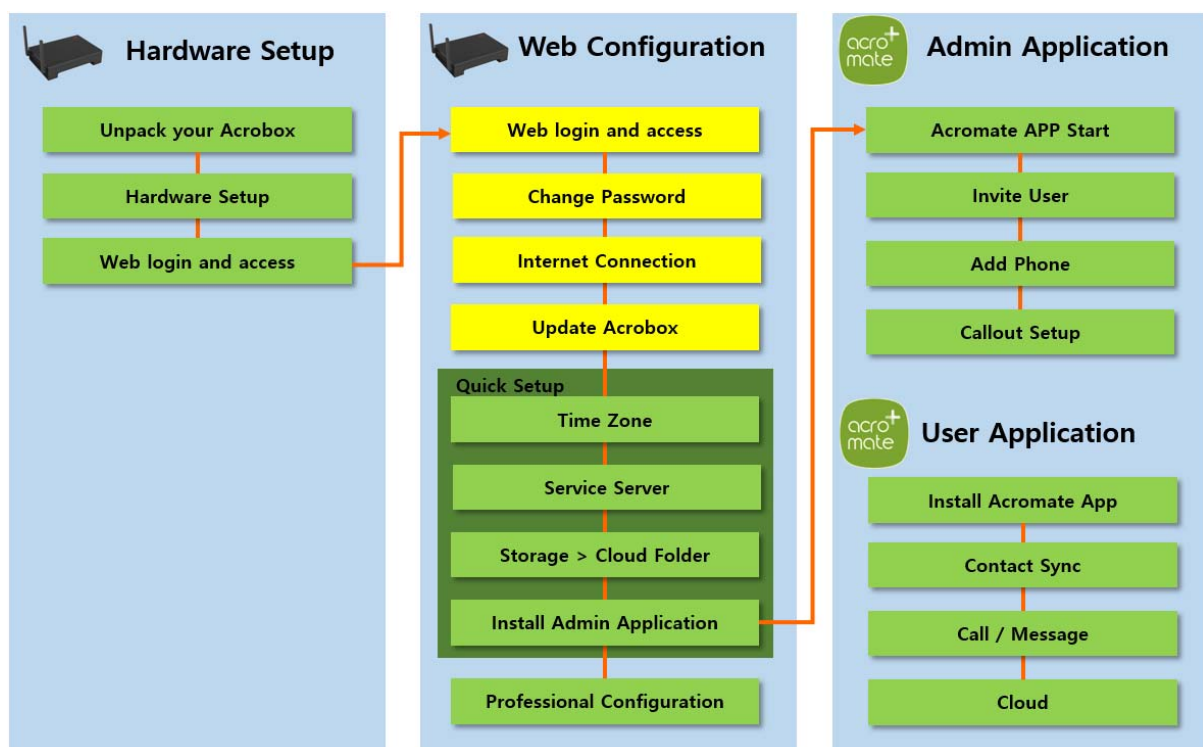
 Reboot	 Reset Web Password	 Reset Network
	 If web login password or Wi-Fi password is forgotten, press and hold Reset button for over 5 seconds to reset it.	

3. Web Configuration

3.1. Beginning Web Configuration

This chapter explain how to begin web configuration.

Web Login and access, Change password, Internet Connection, Update Acrobox software.



3.1.1. Web login and access



3.1.2. Change Password

7:11

AA 192.168.0.1

Change system password

New Password

.....

Verify Password

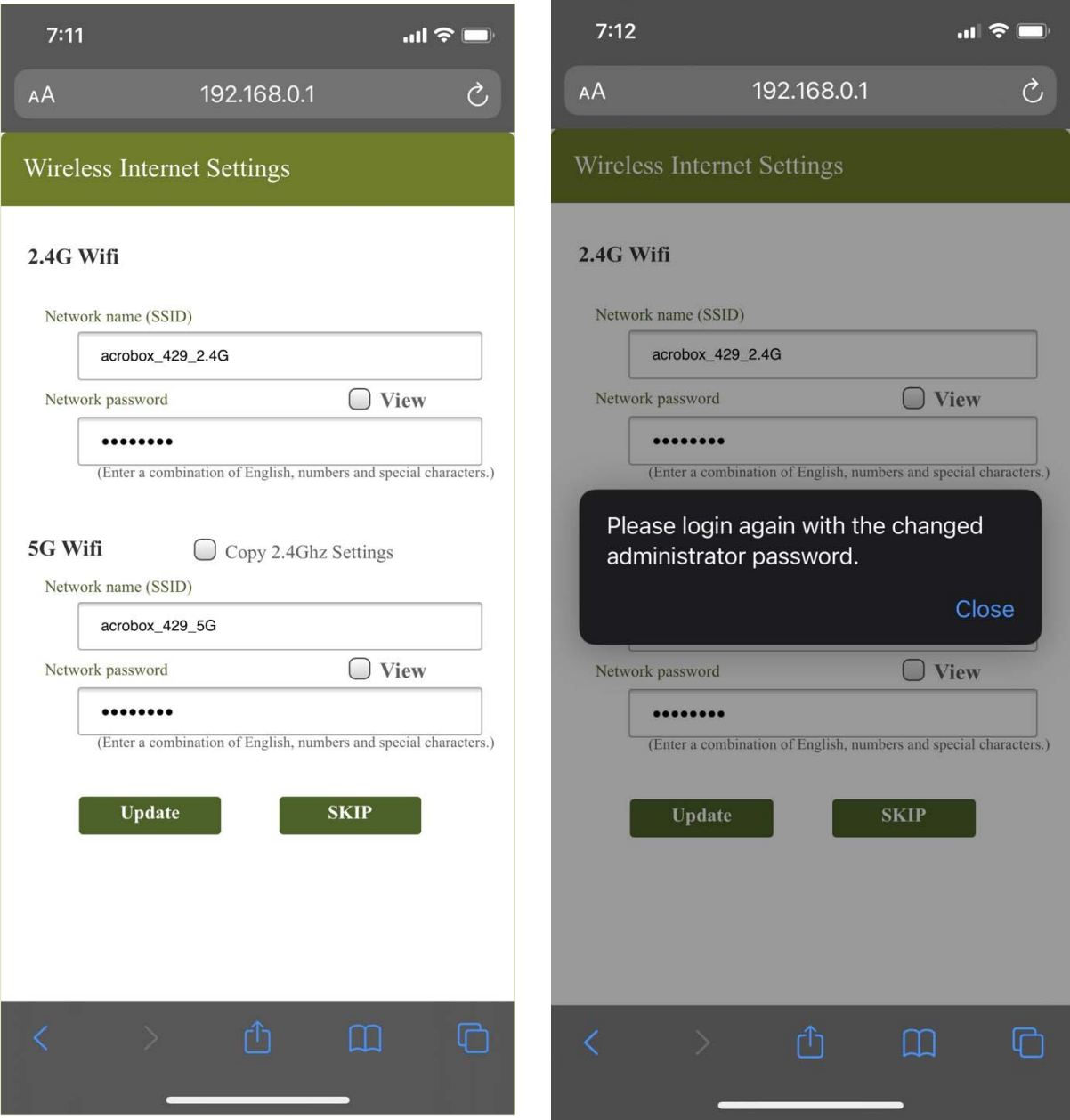
.....

NEXT

The password must contain a mix of letters, numbers, and/or special characters.

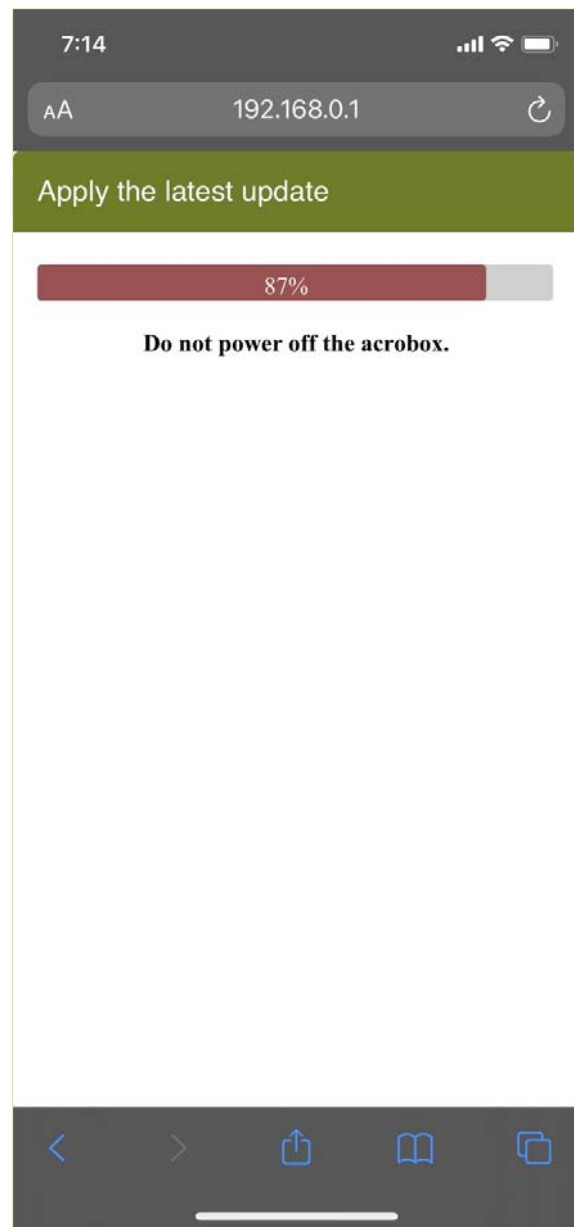
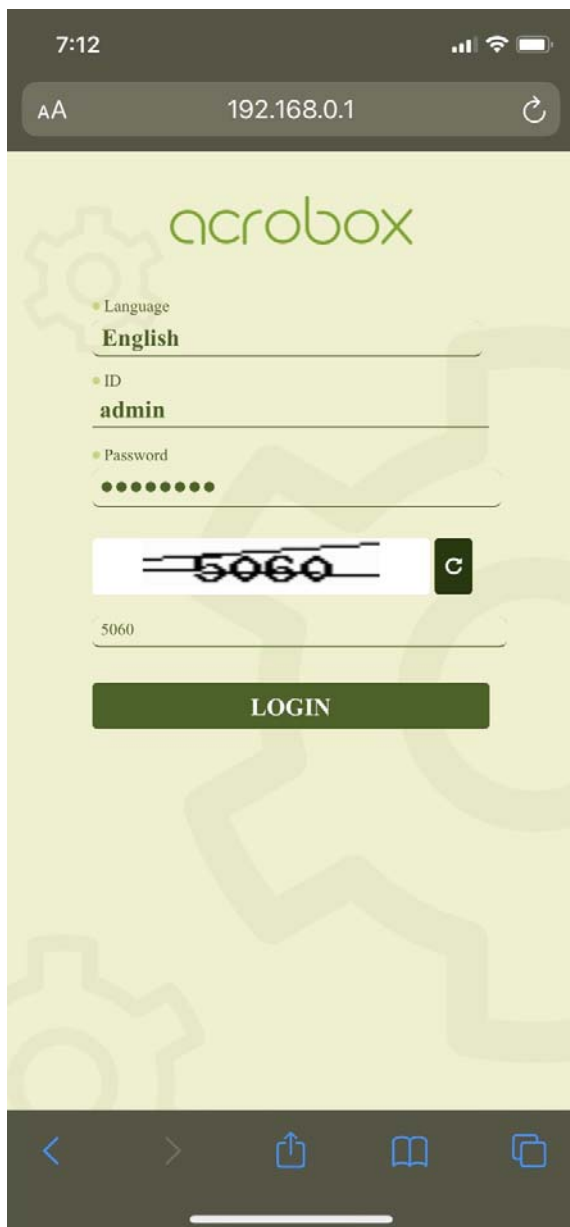
If forget new password, press the reset button on the rear panel over 5 seconds. Web password and network setting will be back to the label value of the bottom of the Acrobox.

3.1.3. Wireless Internet Settings

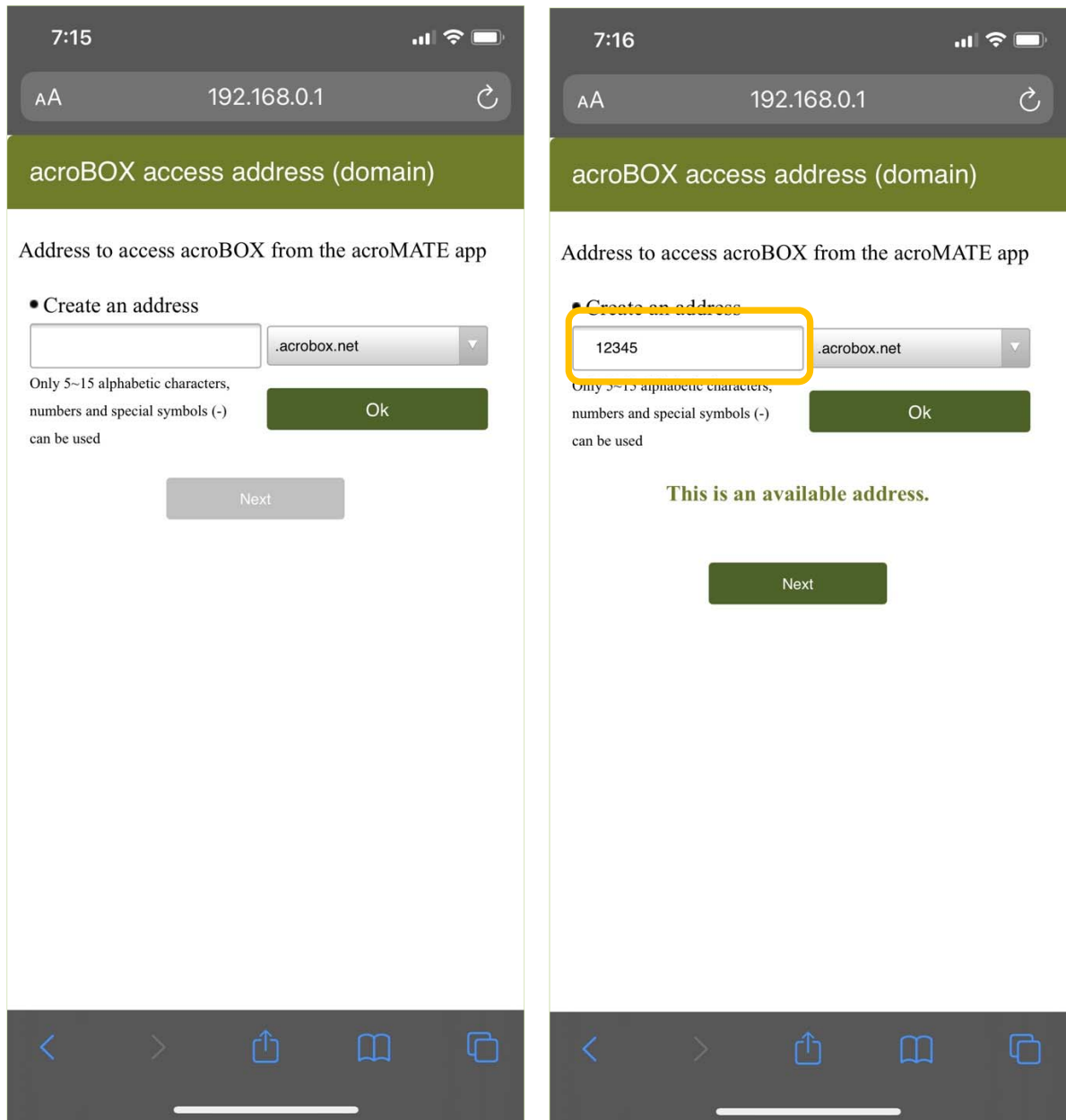


MUST reconnect Wi-Fi network using new SSID and new Network Password

3.1.4. Re-login and Update Acrobox Software

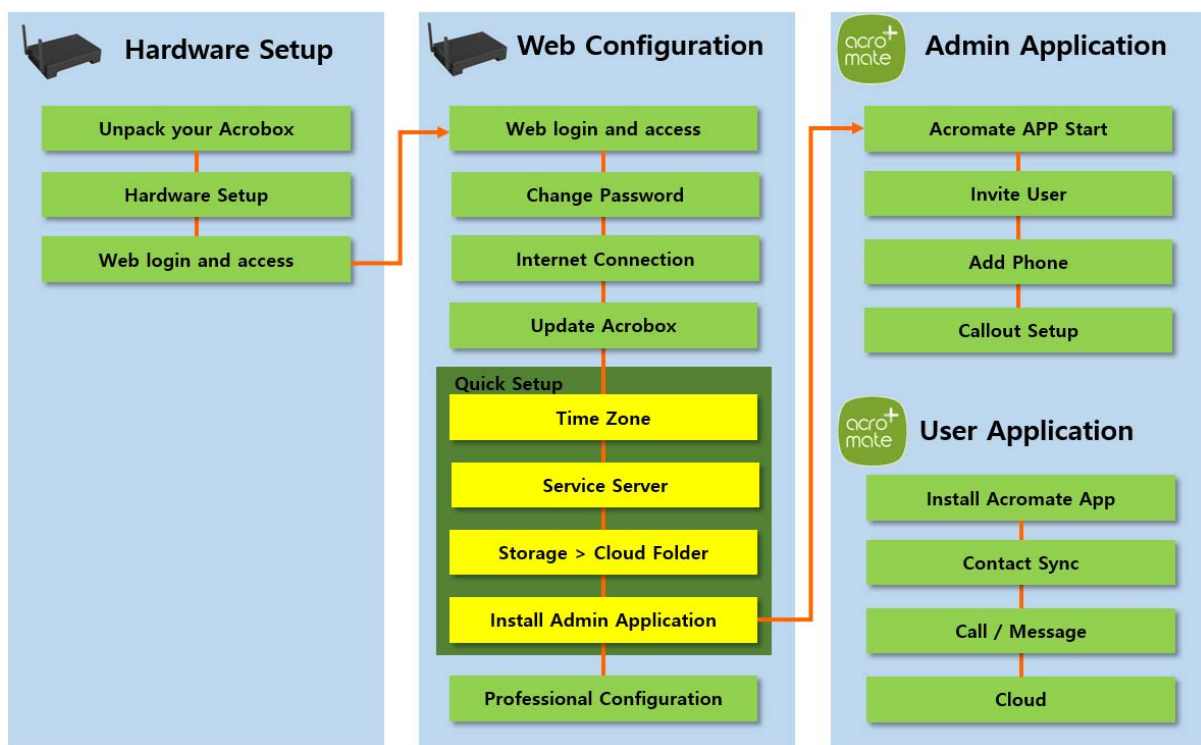


3.1.5. Set Acrobox Domain Name

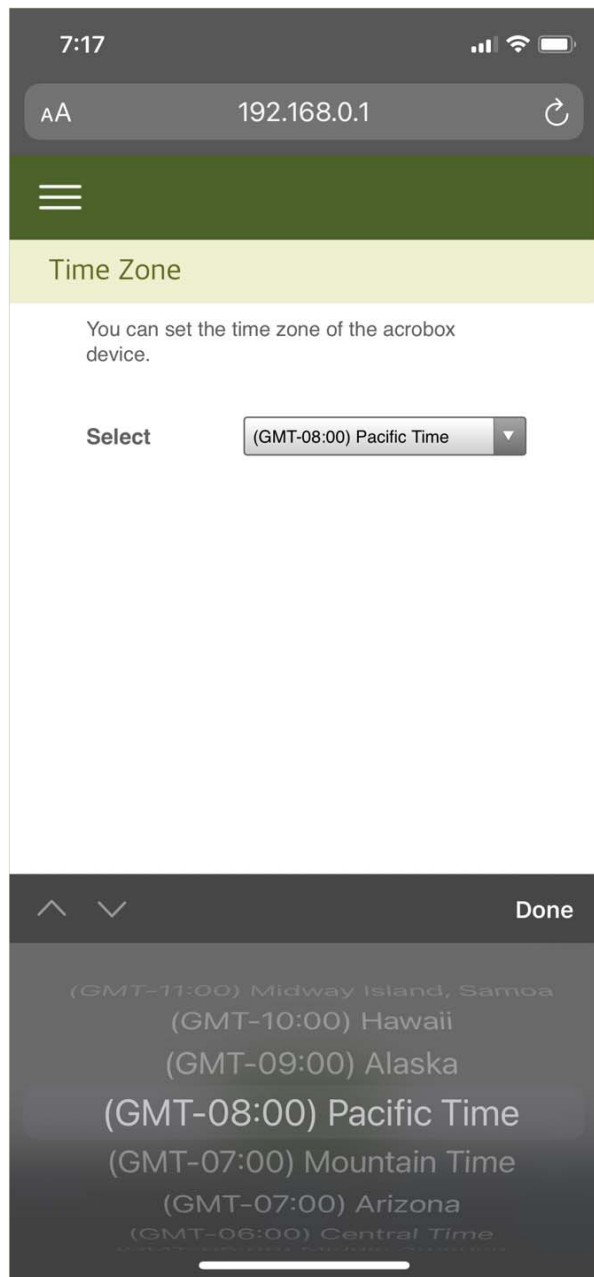


3.2.Quick Setup

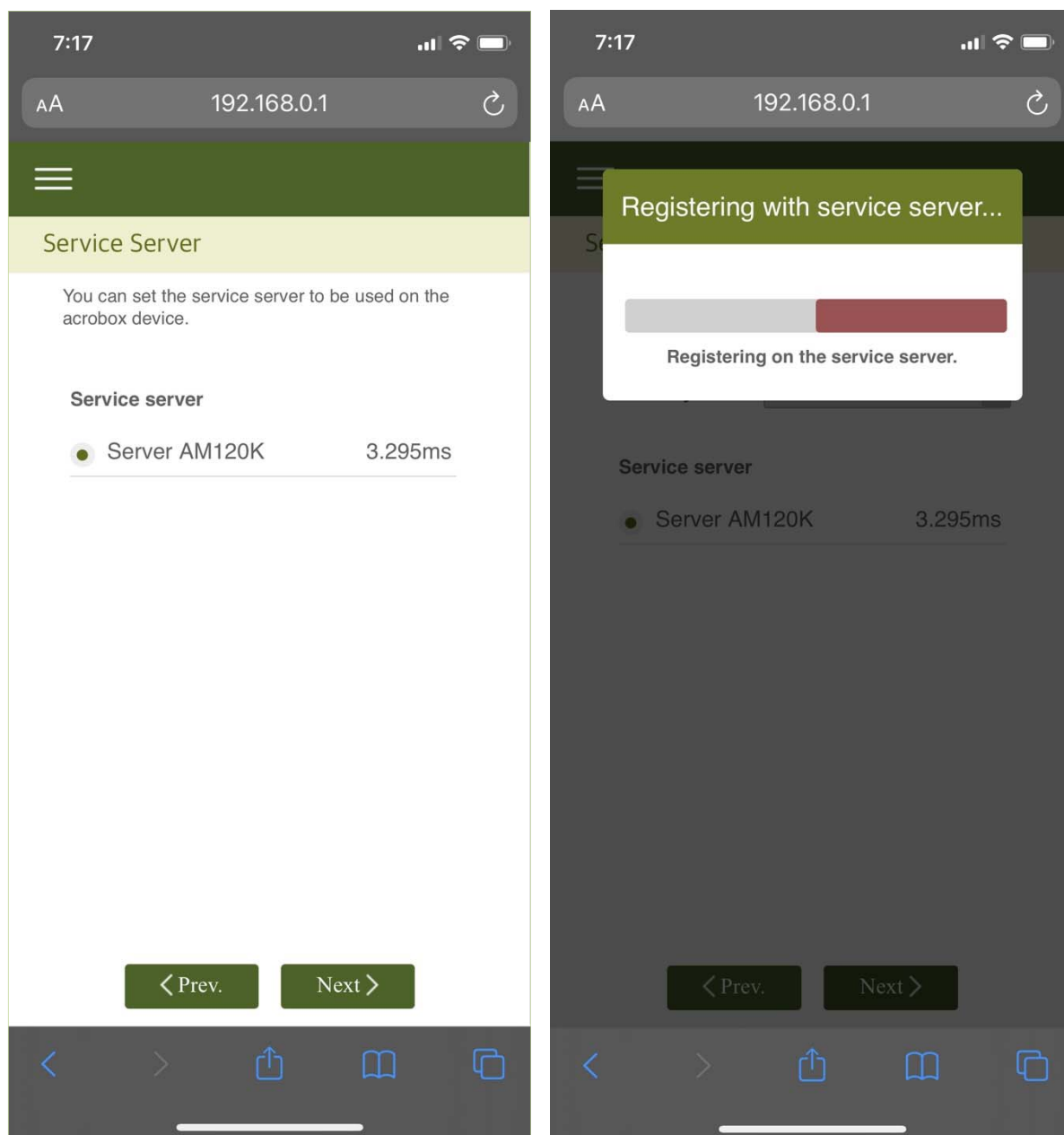
This chapter explain Quick Setup. Select Region and Service Server. Format storage and make Cloud Folder. Finally install Admin Application at smartphone or personal computer.



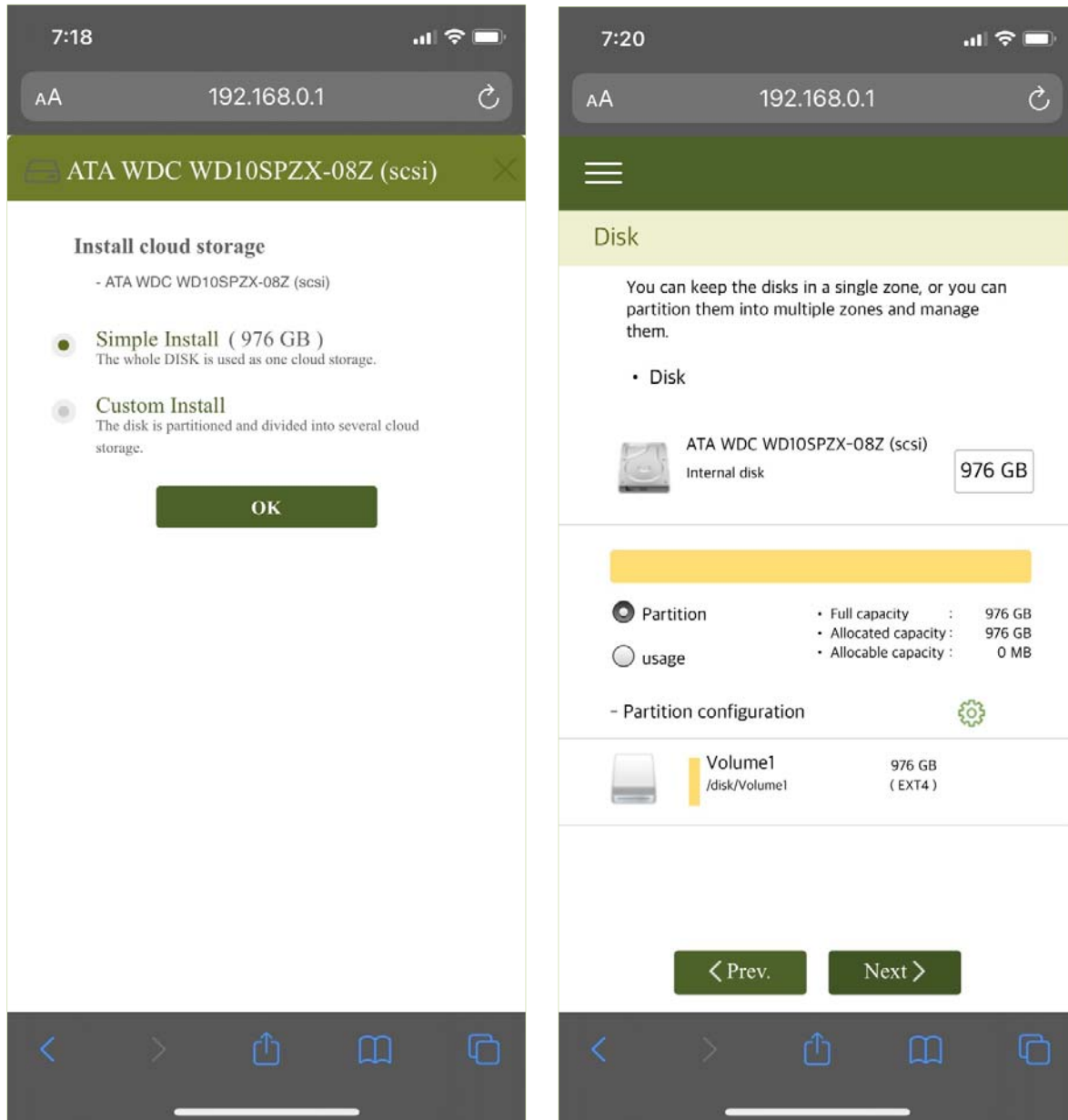
3.2.1. Time Zone



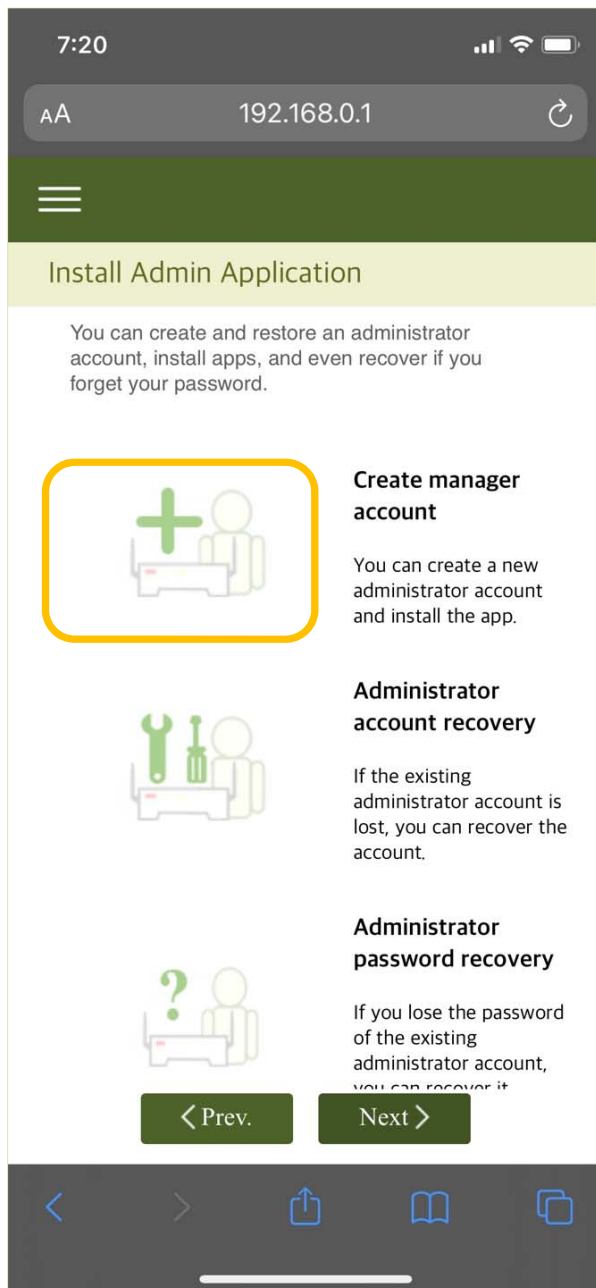
3.2.2. Service Server



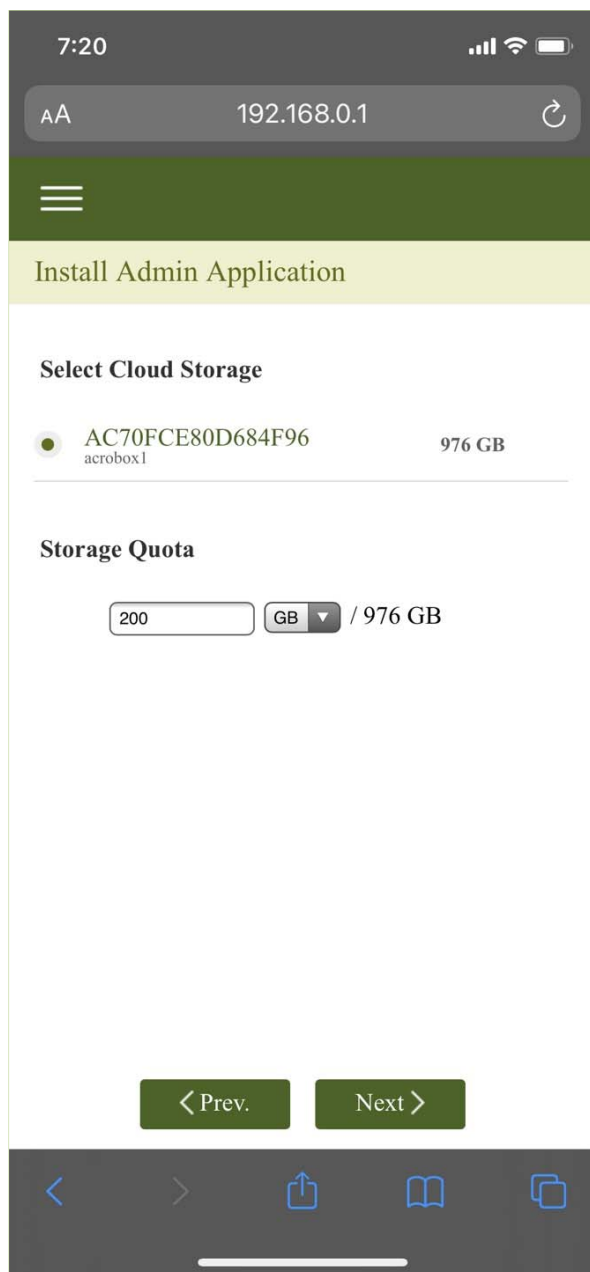
3.2.3. Install Cloud Storage



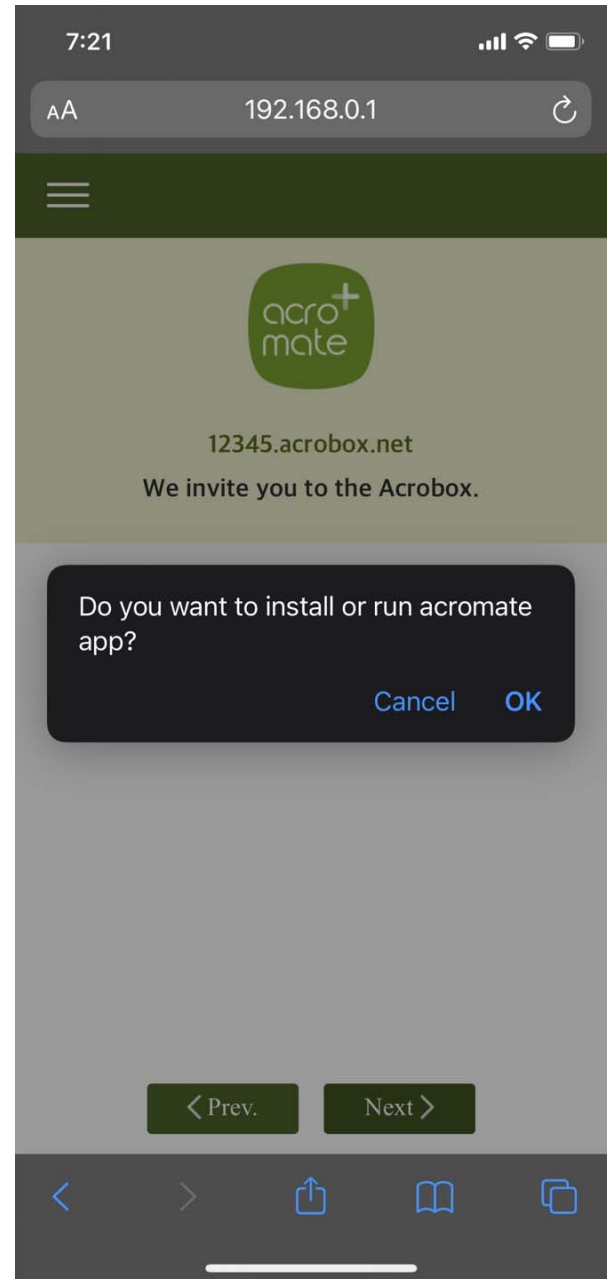
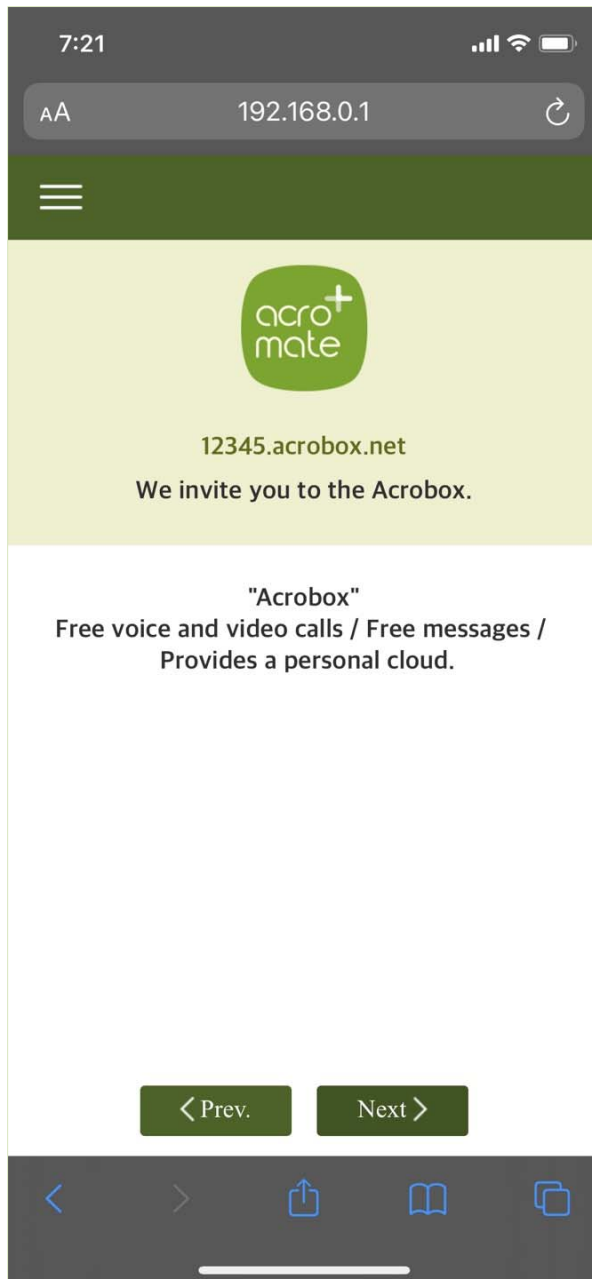
3.2.4. Install Admin Application (Create manager account)



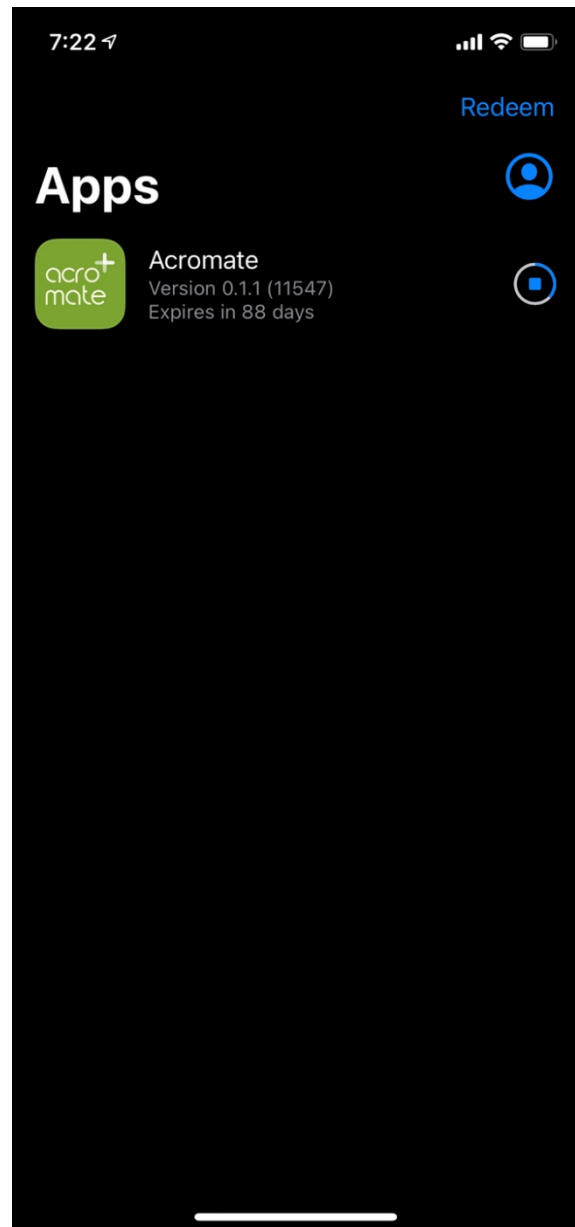
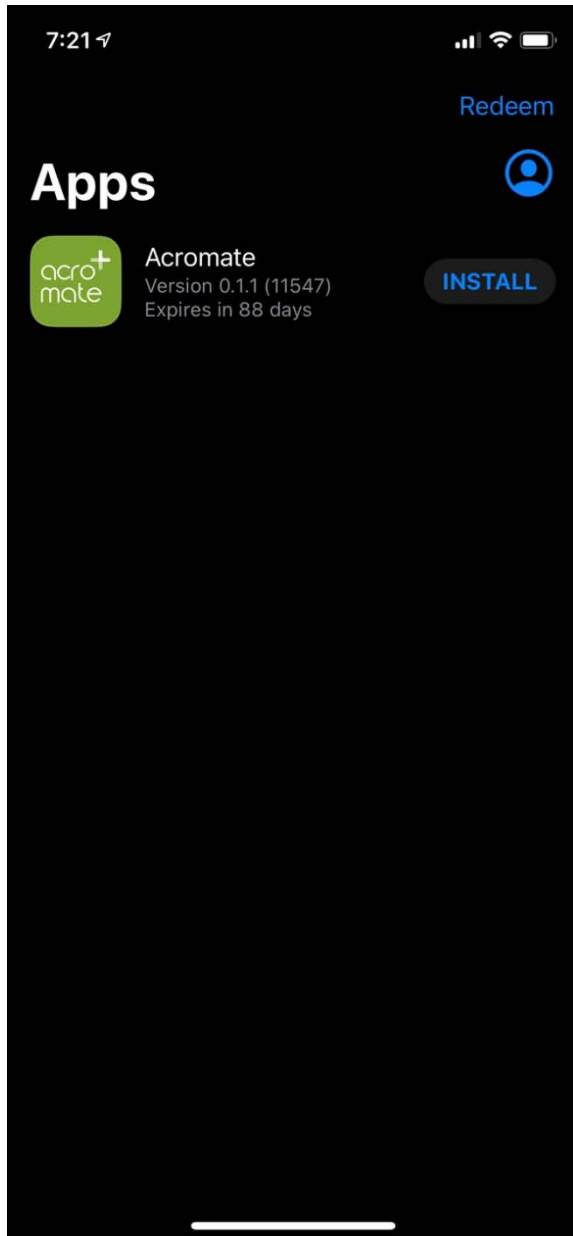
Set Admin Storage Quota



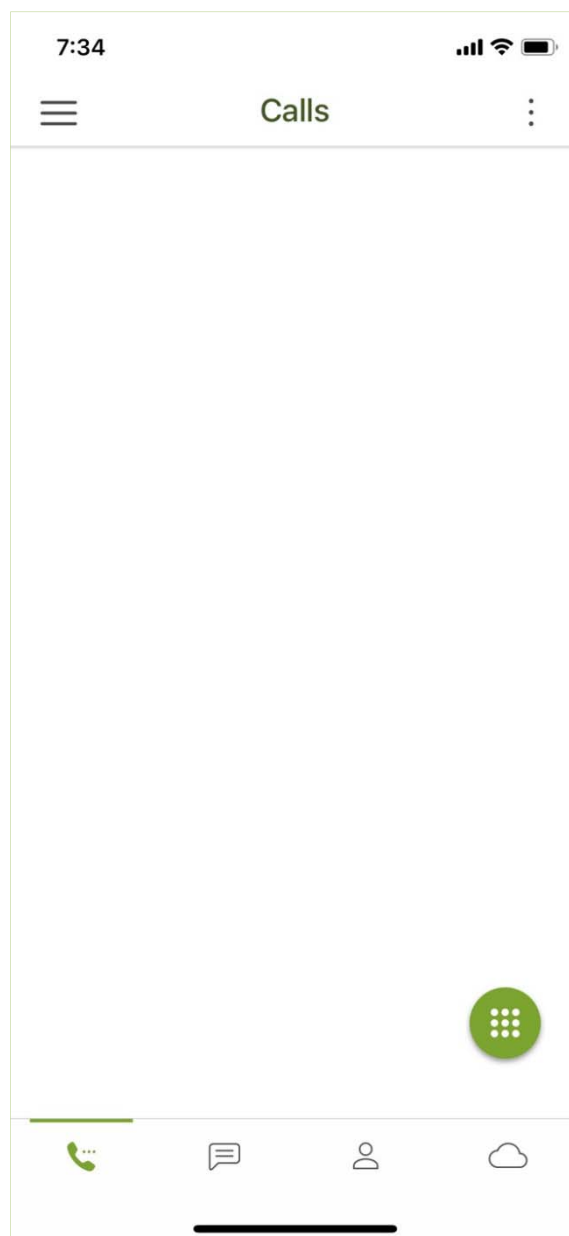
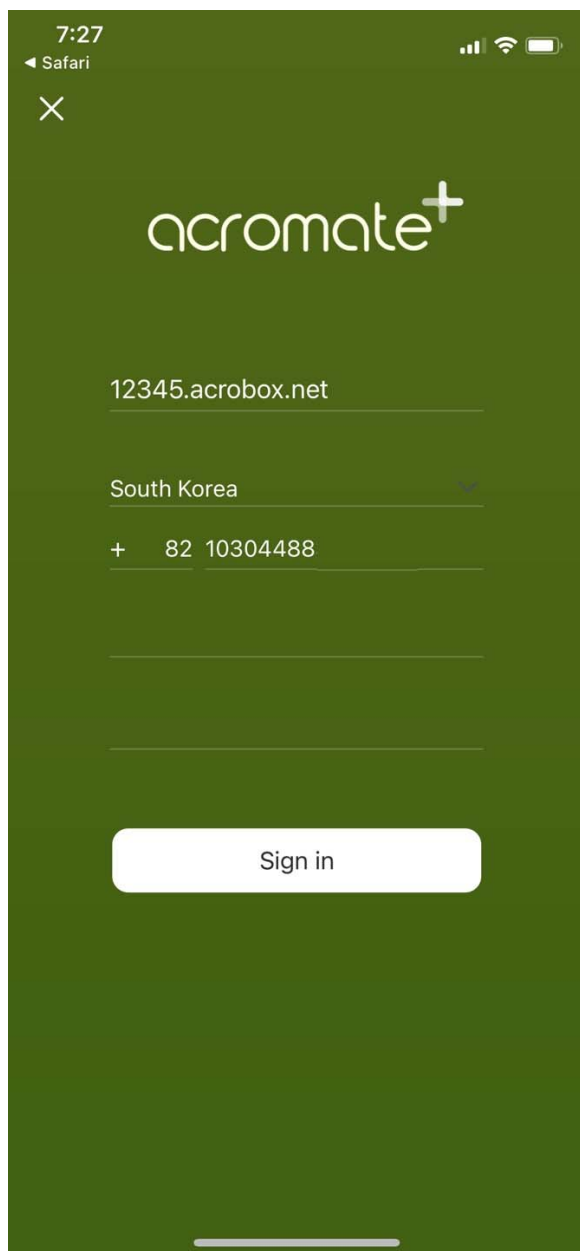
Acromate Invitation



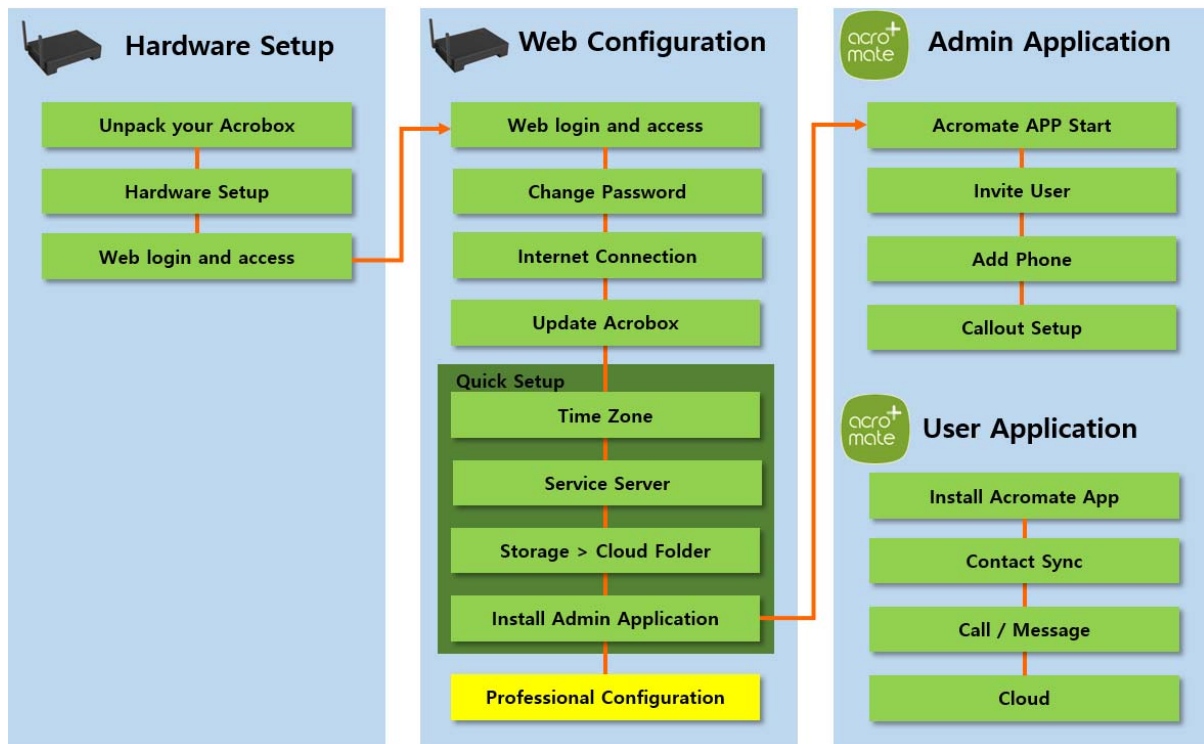
App Store & APP Install



Acromate APP Installed



3.3. Professional Configuration



3.3.1. AM114D-Acrobox

3.3.2. Network

3.3.3. Storage

3.3.4. Sharing

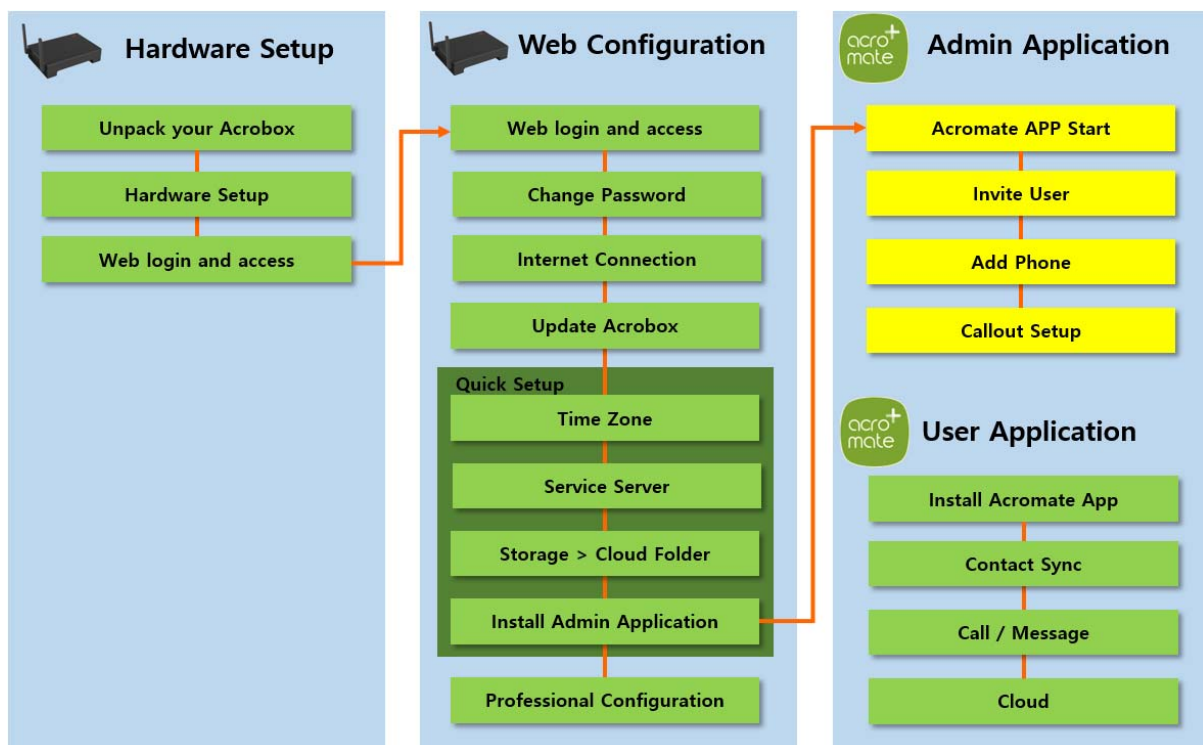
3.3.5. Administrator

TBD (To Be Determined)

4. Admin App Menu

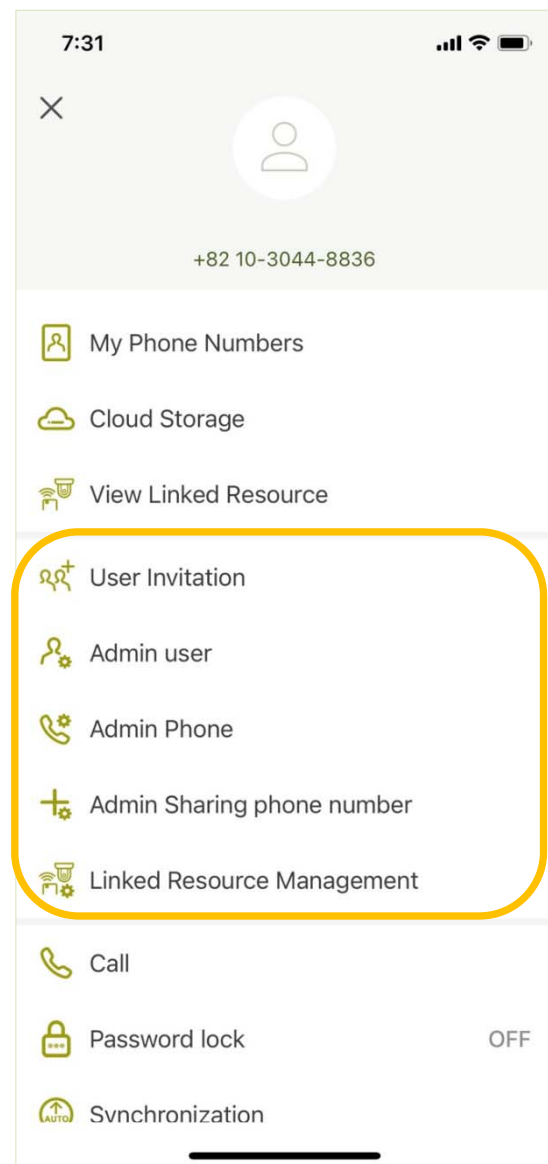
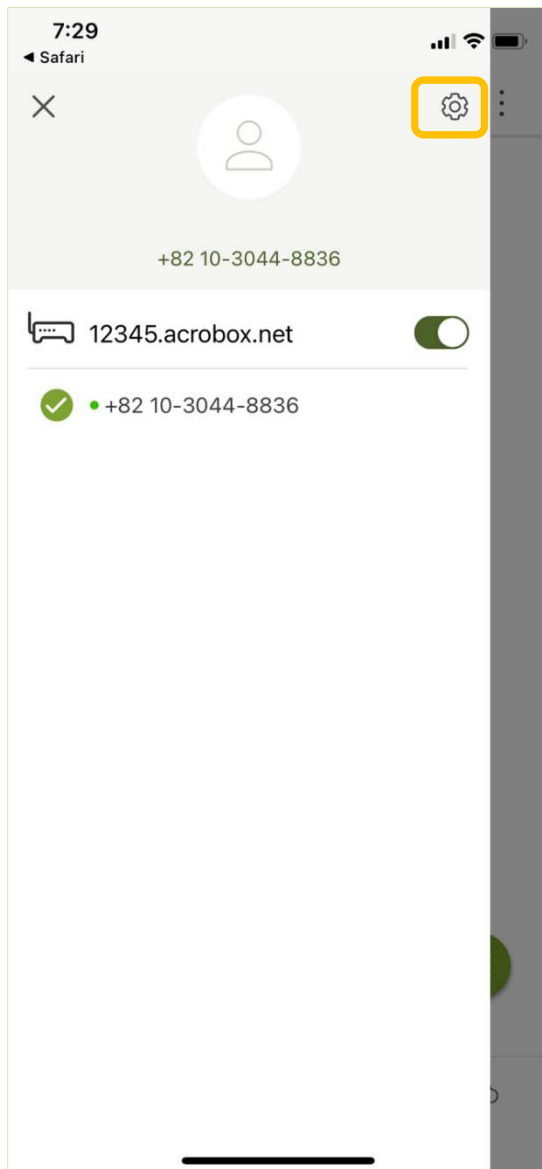
Admin application has three setting menus added.

Invite User / Add Phone / Callout Setup



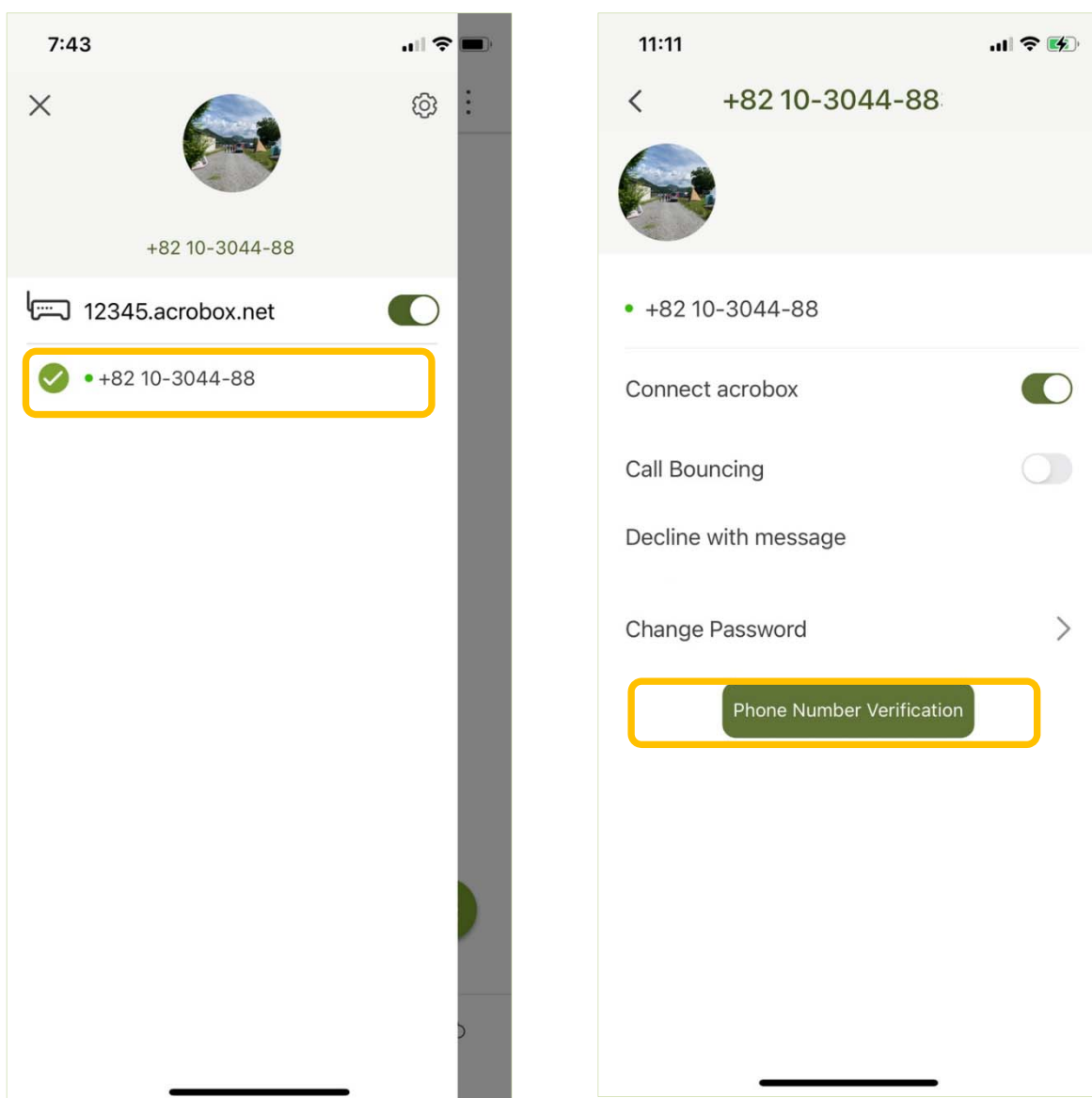
4.1.Admin APP menus

Admin Menu

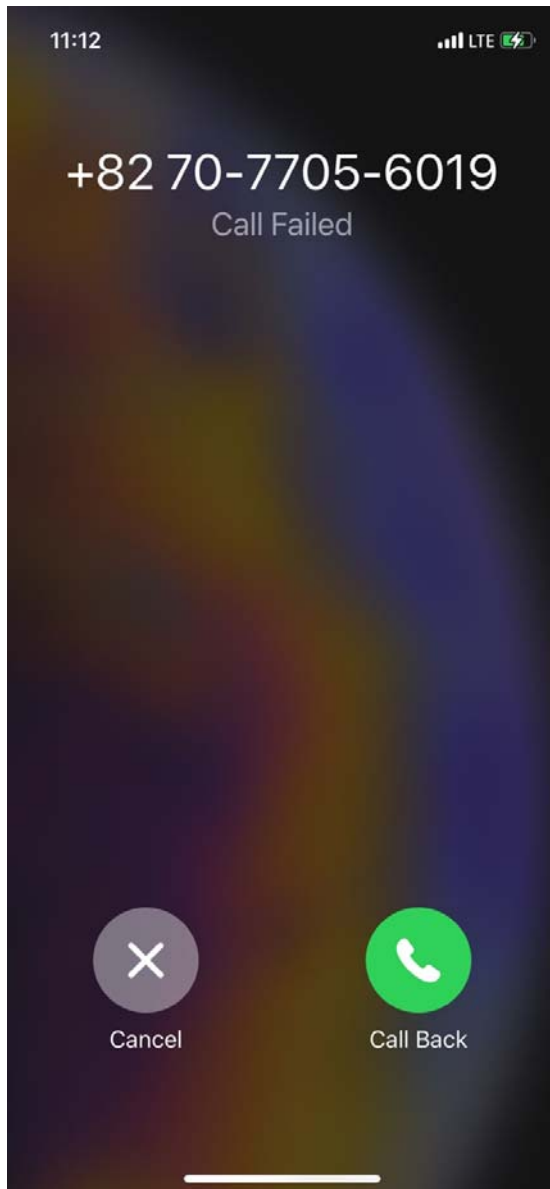


4.2. Verify Phone Number ID

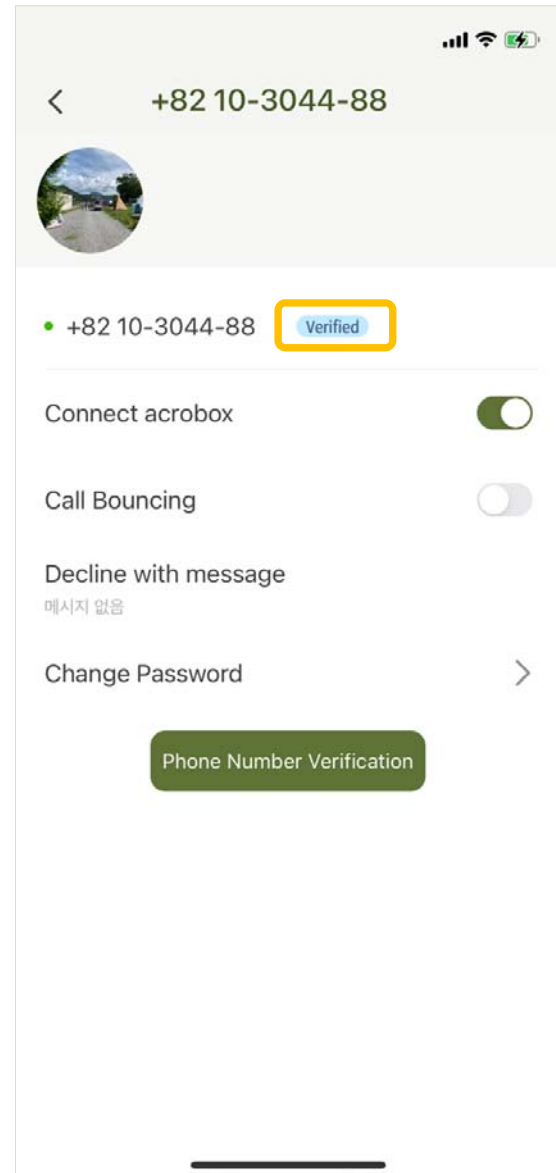
Acrobox use Phone Number ID. To verify Phone Number ID register Service Server. It can connect other Acromate APP user who has verified Phone Number ID.



Calling to Verification Server

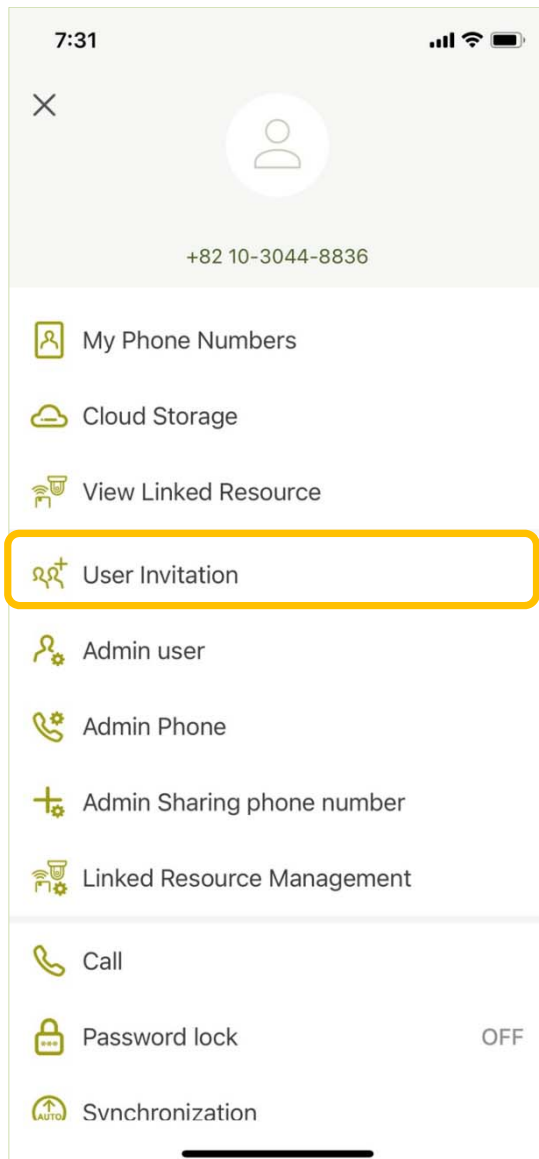


Phone Number ID Verified

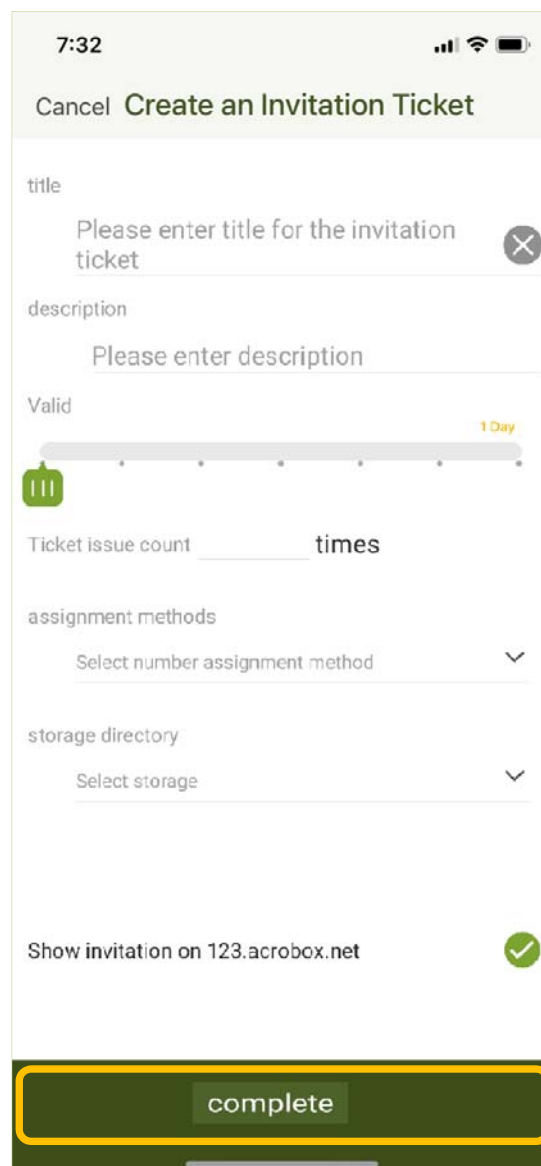


4.3. Invite User

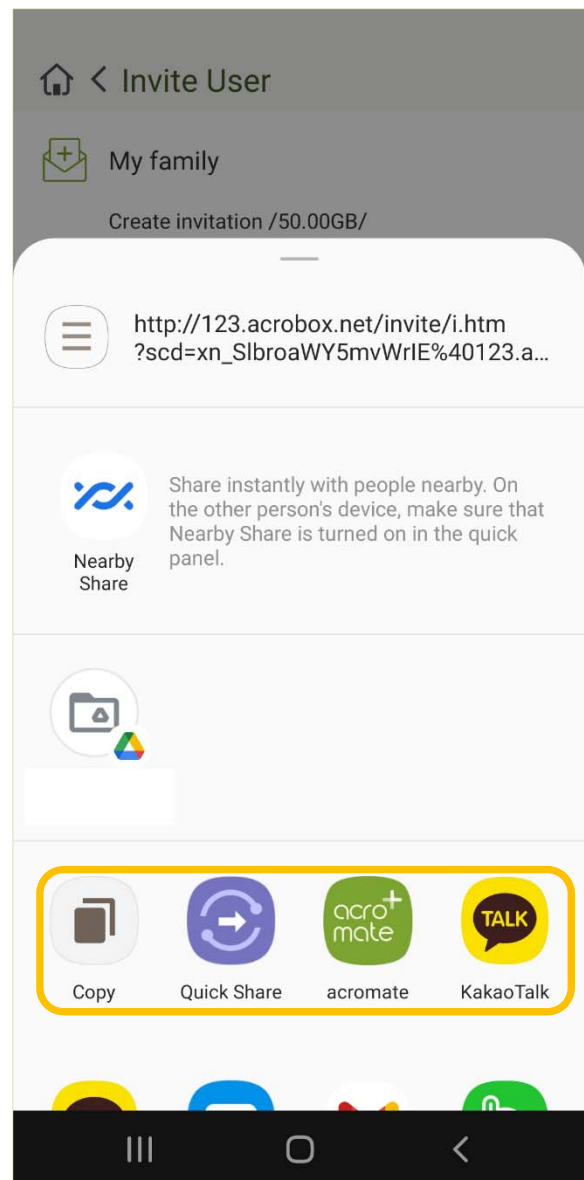
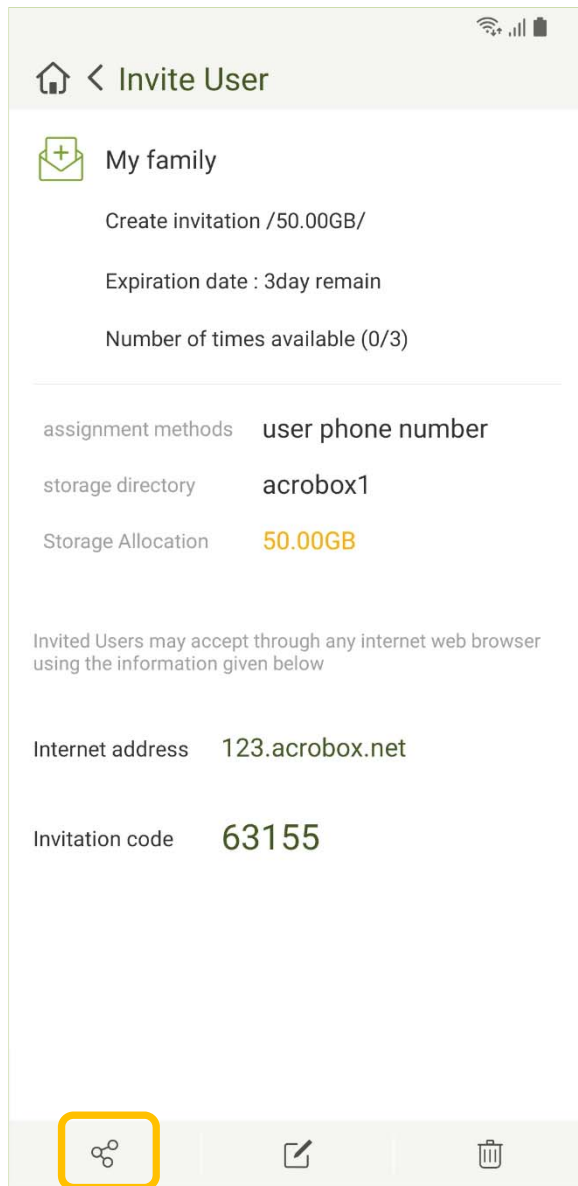
Invite User



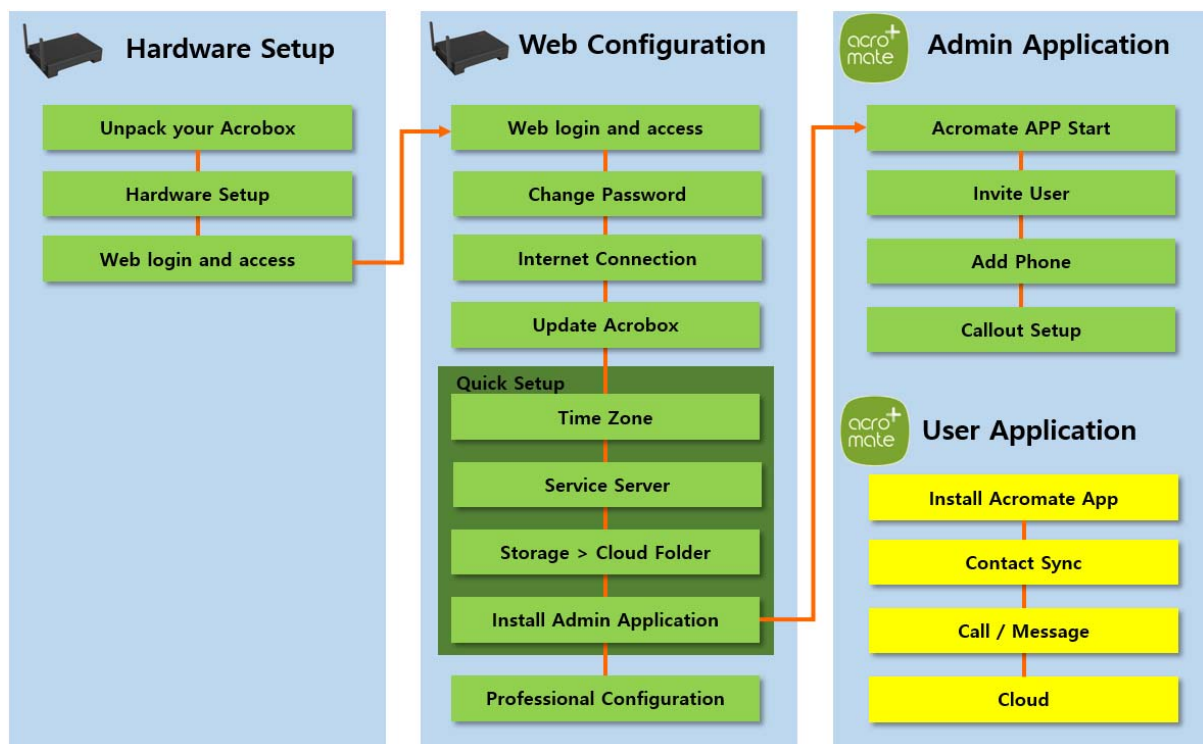
Make a invitation



Share Invitation

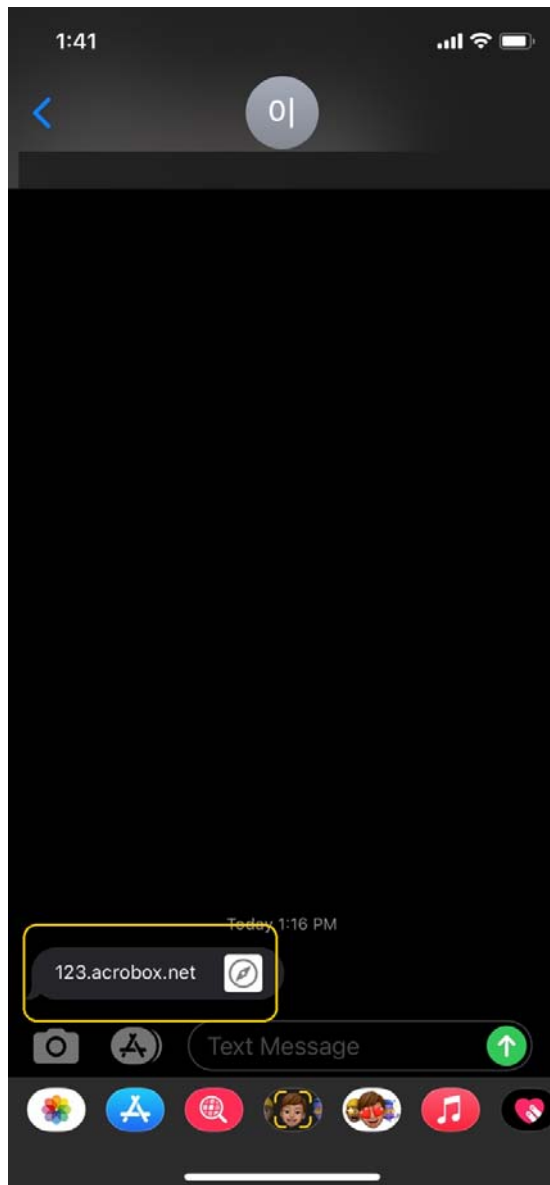


5. User App

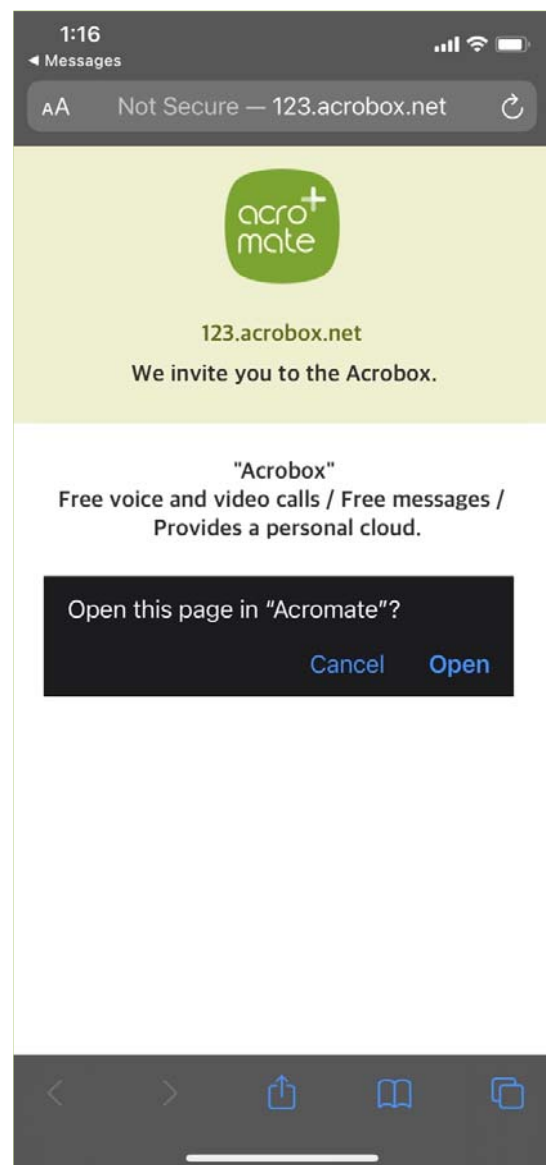


5.1.Install Acromate APP

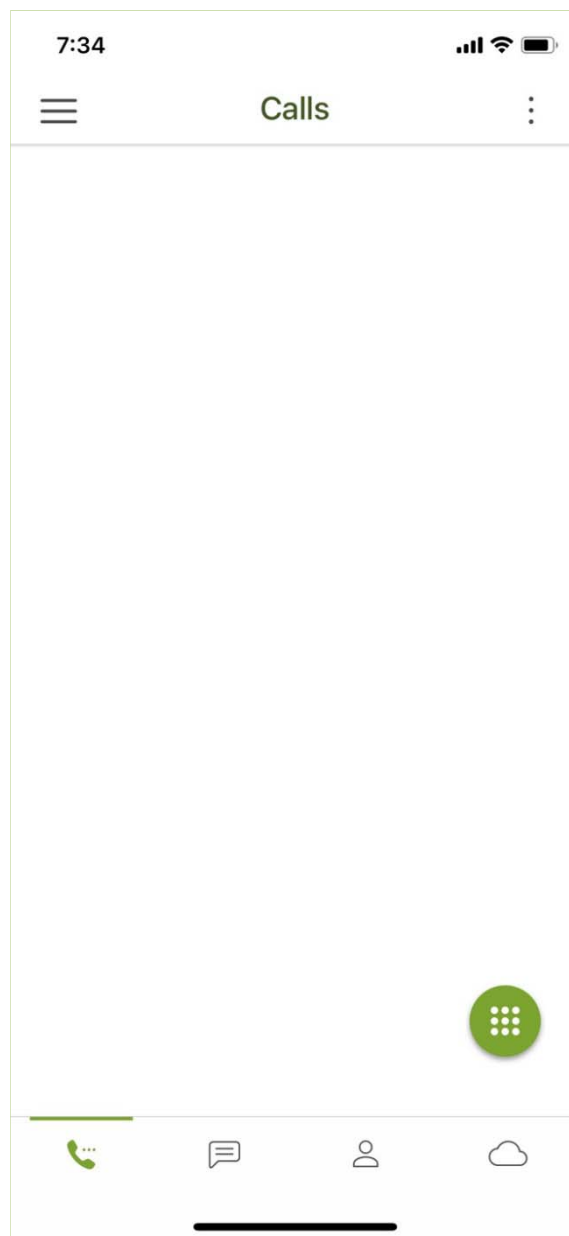
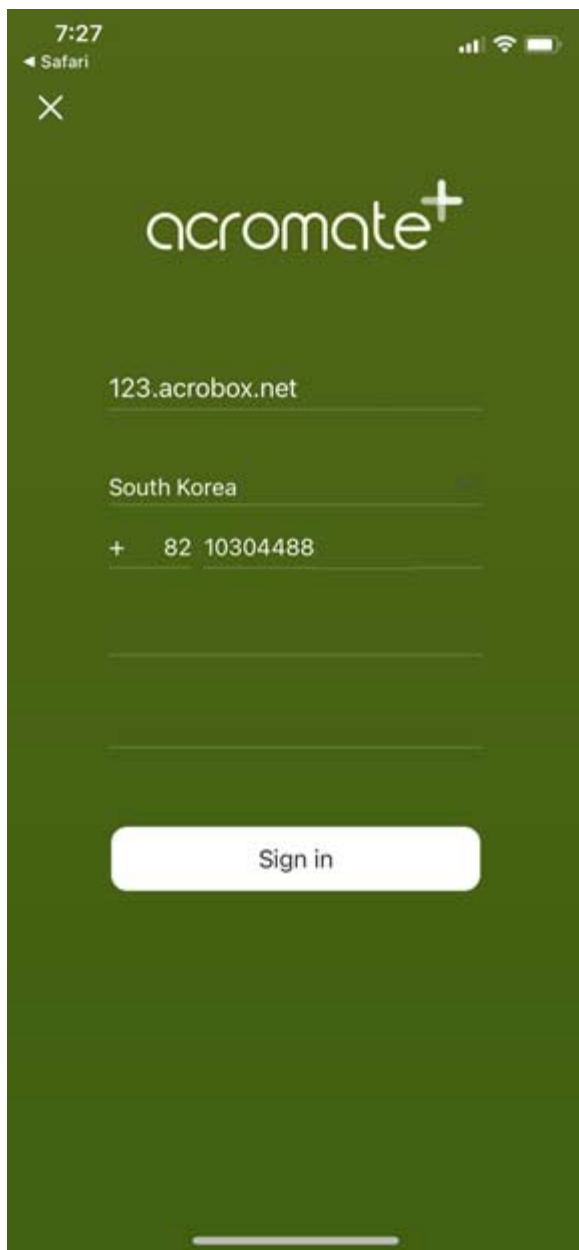
Received Invitation



Open the link

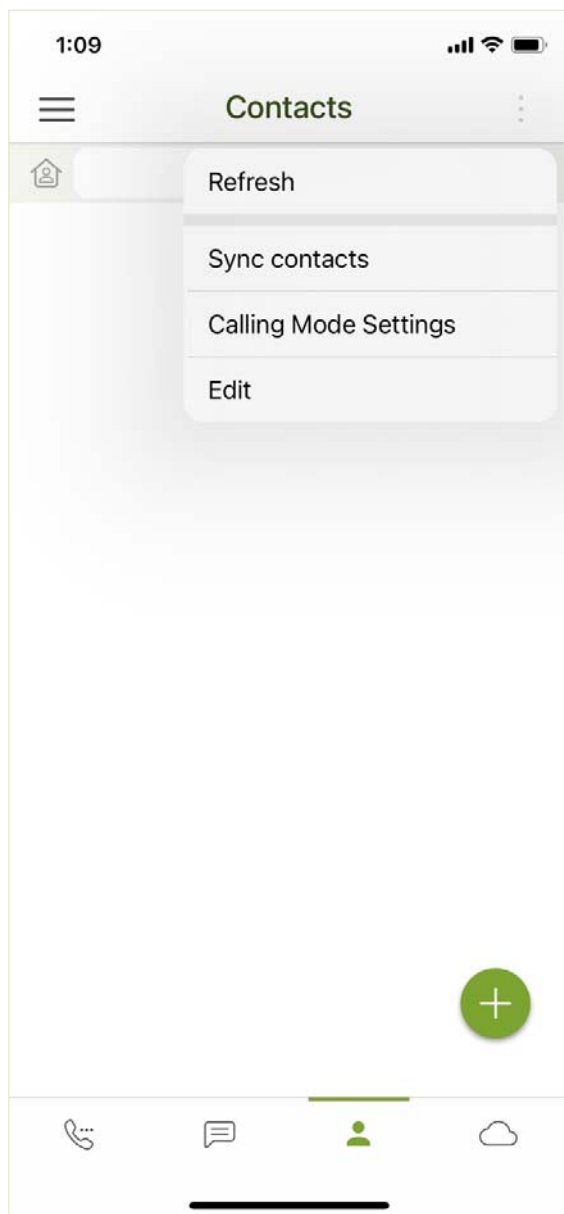


Acromate APP Installed

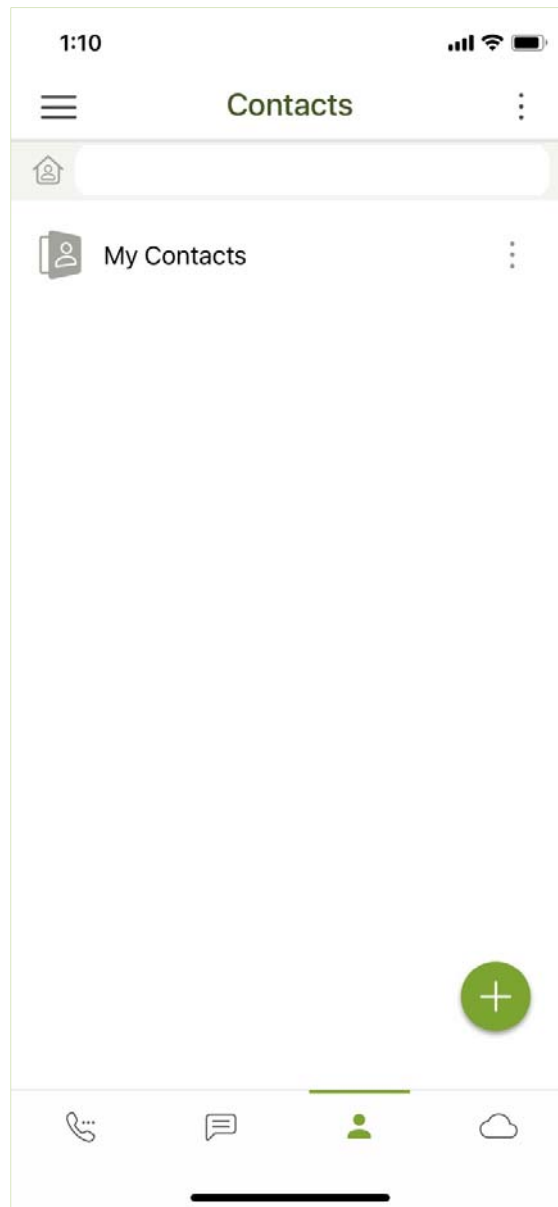


5.2.Sync Contacts

Sync Contacts

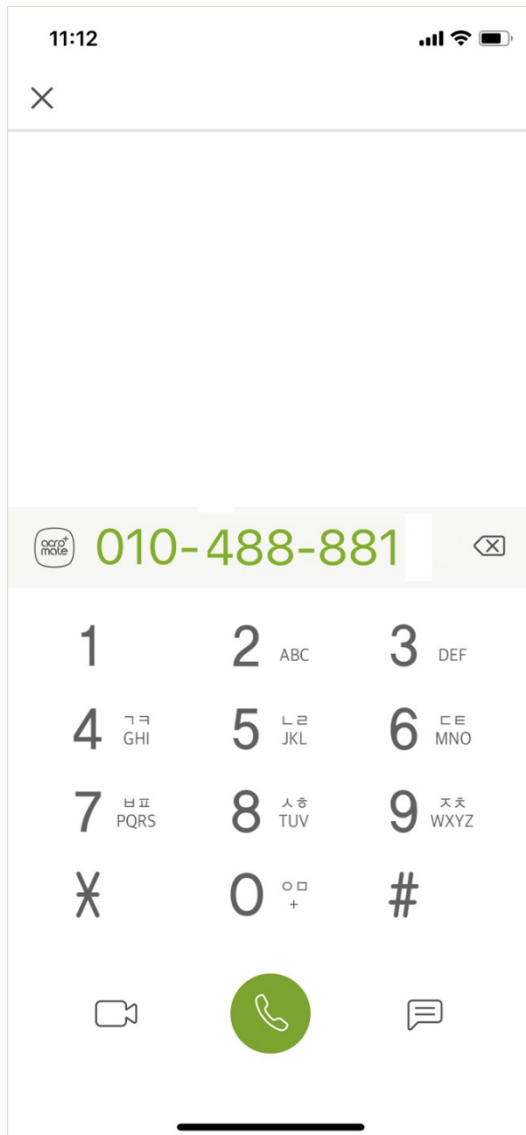


Uploaded Contacts to the acrobox

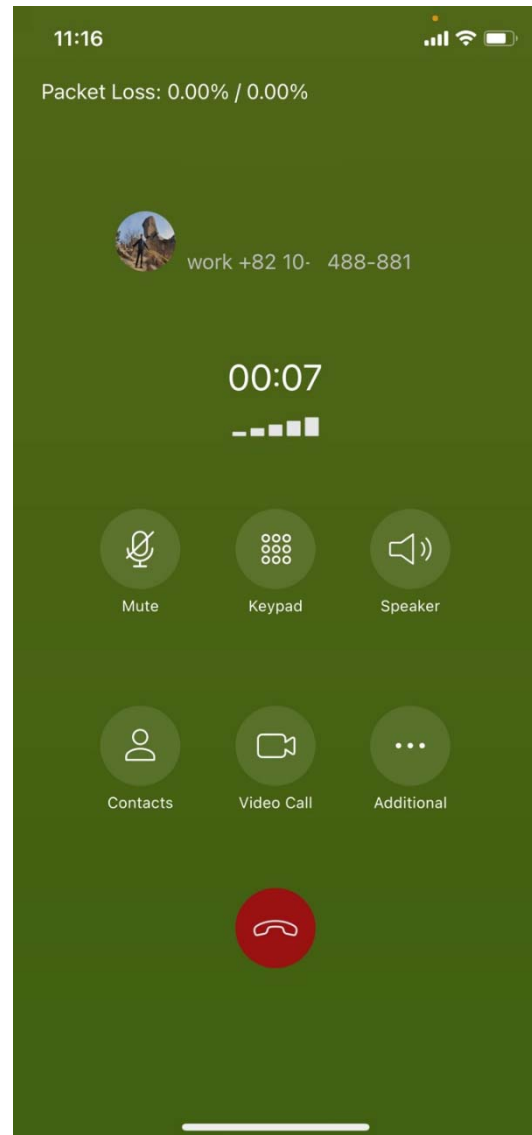


5.3.Call / Message

Dialer



Voice Call



Video Call



Messaging

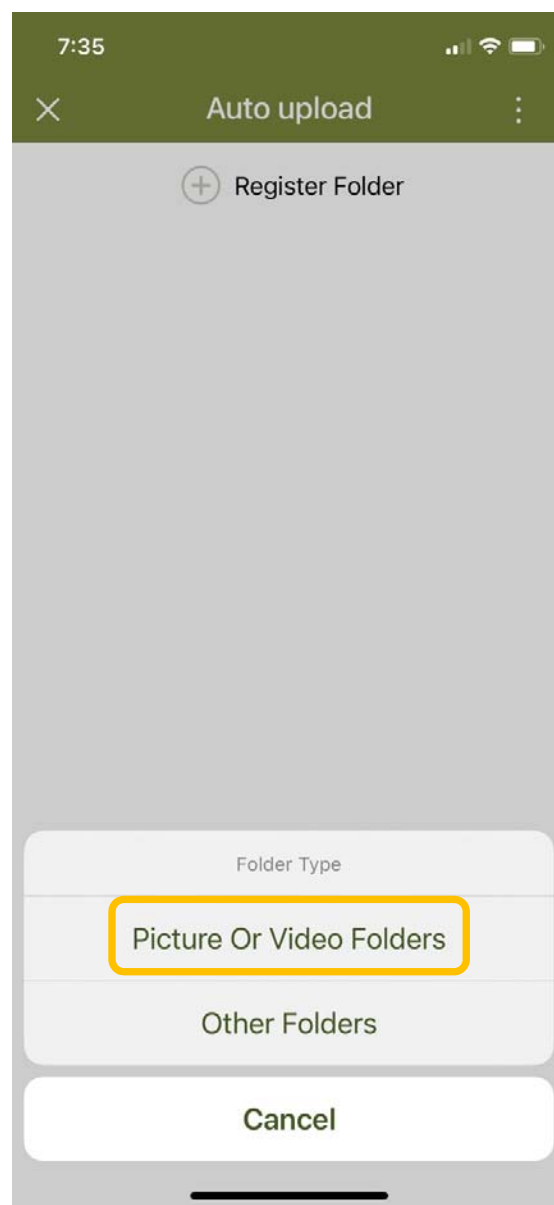
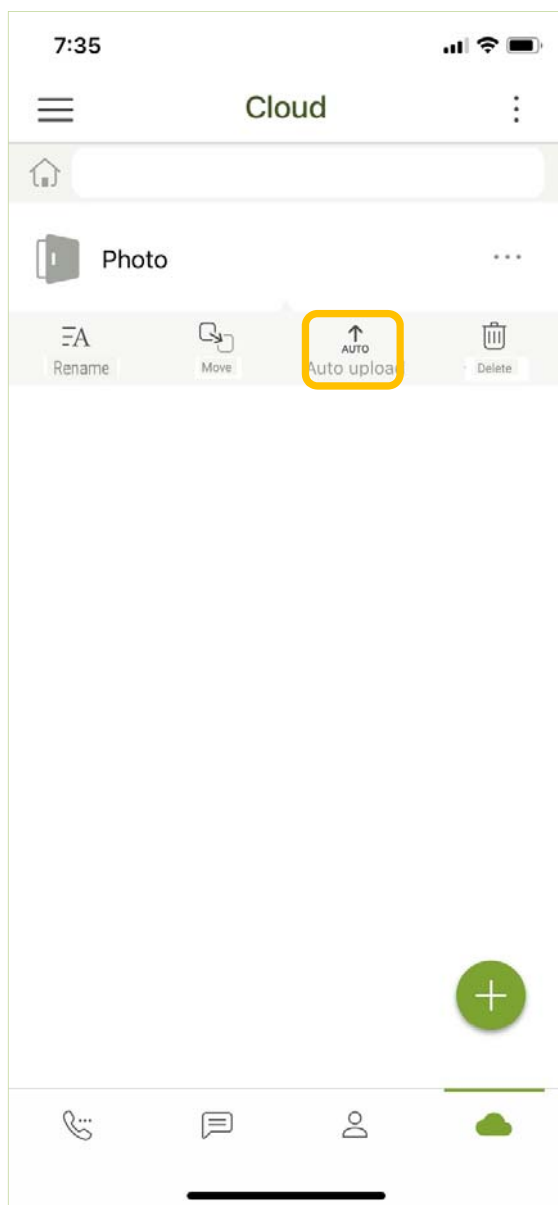


5.4.Cloud

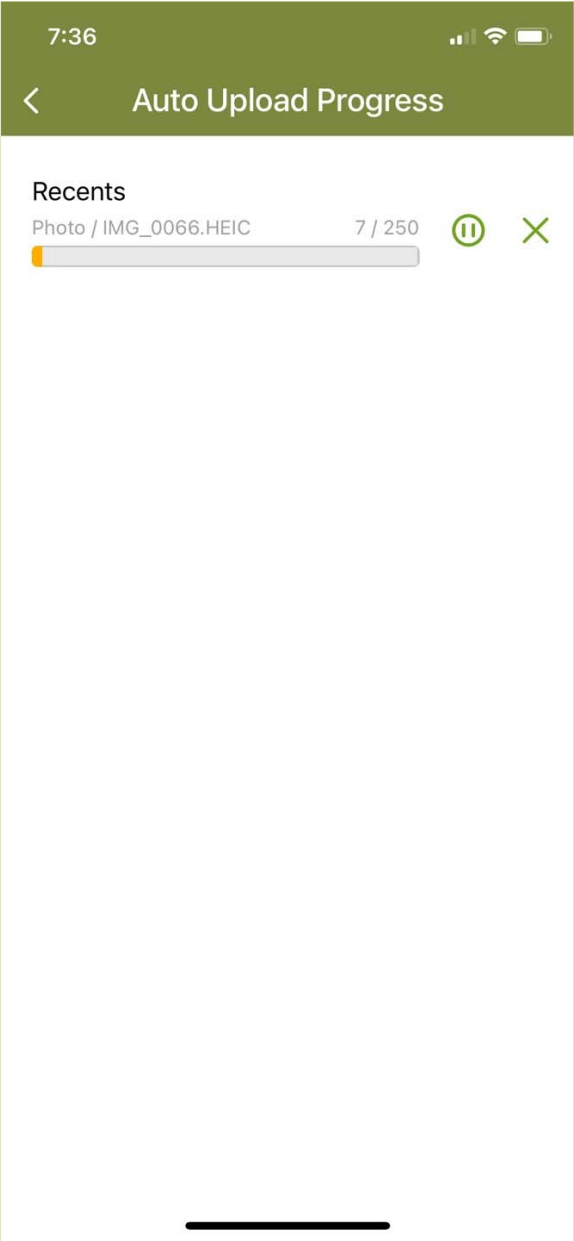
Cloud Storage



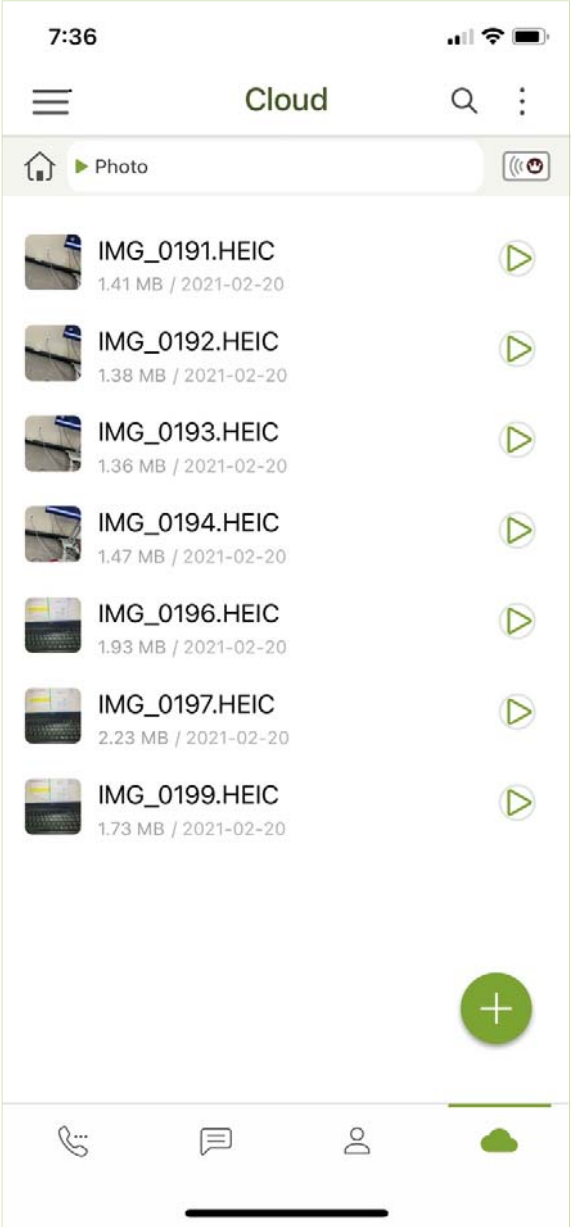
Auto Upload



Auto Upload



Saved contents to the cloud



6. FCC Approval



FCC ID : 2AVW5AM114D

(Part 15.19)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

(Part 15.105)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

(Part 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

(RF exposure)

This device should be installed and operated with minimum 20 cm between the radiator and your body.