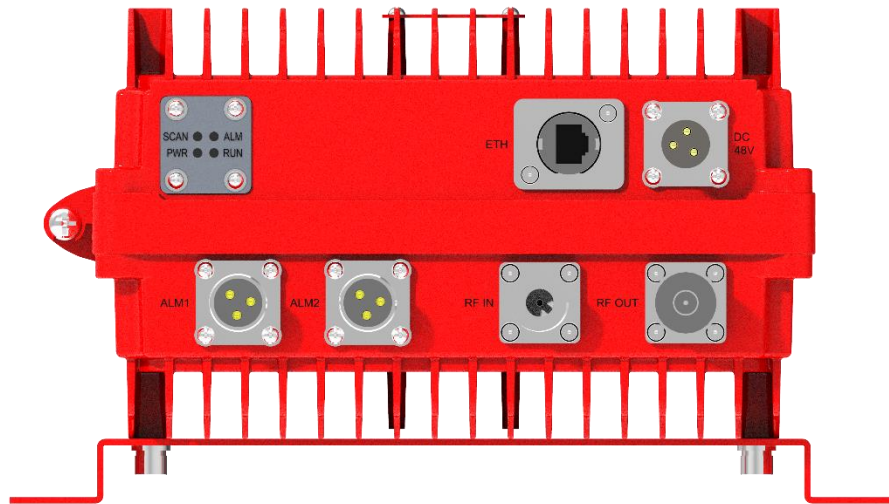


AMS V2 Quick Guide

-20250109

1. Connection



Port	Description
DC48V	Device supports 24 ~ 48V DC input A 2-PIN power cord is provided: <ul style="list-style-type: none">• RED -> DC Positive• BLACK -> DC Negative
RF IN	RF Input, the source is from BDA/DAS output, N-Female Connector
RF OUT	RF Output, going to service antenna network, N-Male Connector
ETH	Ethernet Port for logging into the device
ALM1	ALM 1, Power OFF or RF Switch OFF indicator A 3-PIN cable is provided: <ul style="list-style-type: none">• 1- CLOSE / 2- COM / 3- OPEN
ALM2	ALM 2, Antenna Malfunction indicator A 3-PIN cable is provided: <ul style="list-style-type: none">• 1- CLOSE / 2- COM / 3- OPEN

*A double grounding lug is located at the side of the device

2. Login:

Set computer IP to: 192.168.8.xxx (except 101) / 255.255.255.0

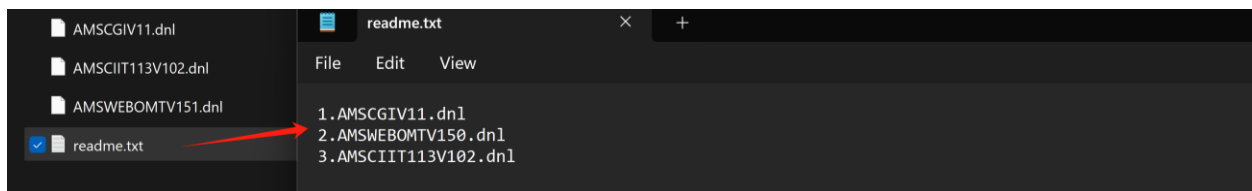
AMS Device IP: 192.168.8.101

Default Logn Username / Password: admin / admin

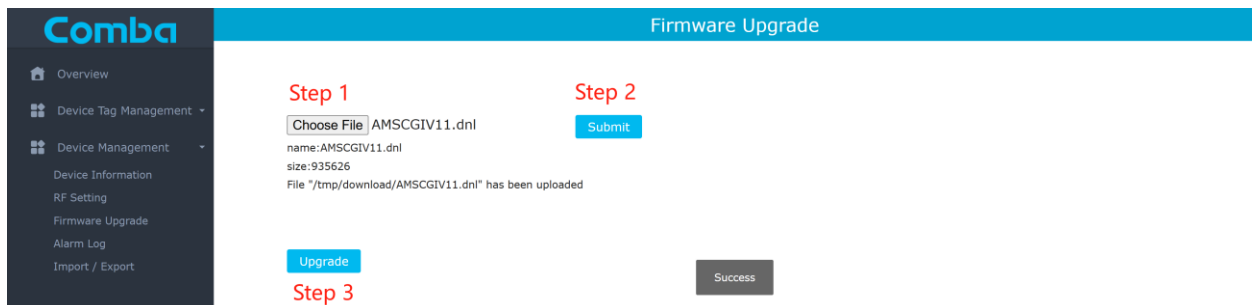
Use incognito mode / private mode from Chrome or Firefox

3. Firmware Upgrade:

1. Open the readme file in the firmware package. There will be 3 files in DNL format, and they need to be upgraded one by one in a specific order.



2. Go to page, choose the file, click 'Submit', then click 'Upgrade'.
Upgrade files one by one and leave 1 minute between each other.
Power Cycle is NOT Required.



3. **Close the browser and re-login, clear the cache first or use incognito mode**

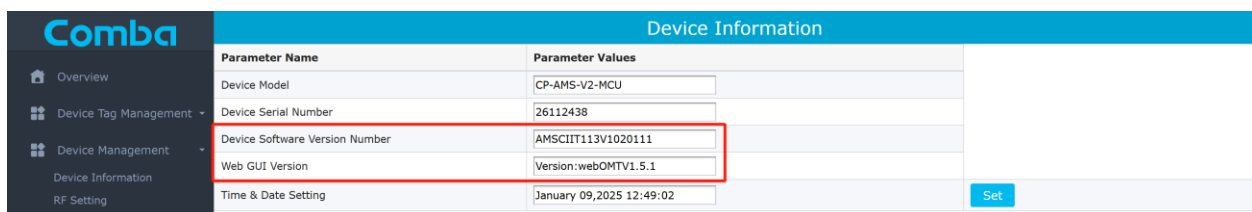
4. Check version:

Device Software Version Number: AMSCIIT113V1020111

- AMSCIIT113V102.dnl
- AMSCGIV11.dnl

Web GUI Version: Version:webOMTV1.5.1

- AMSWEBOMTV151



4. Device RF and Scan parameters:

In the Overview Page, check the lines in the top left table:

- **RF Setting: ON / 33 / 1200**
- **Polling Setting: OFF / 2 / 3 / 1**

The settings are respectively set in the 'Device Management – RF Setting' Page

It is recommended to start with the system default for the commissioning, except, the polling switch can be turned ON or OFF when it is needed.

RF Setting:

Overview Page Indication	Setting in 'Device Management – RF Setting' Page
ON	RF Switch
33	RF Transmission Power (dBm)
1200	RF Continuous Card Reading Time (ms)

- RF Switch: DO NOT change
Turn it OFF will trigger 'Device Fault Alarm (Dry Contact Alarm 1)'
- RF Transmission Power (dBm): DO NOT change
- RF Continuous Card Reading Time (ms): DO NOT change

Polling Setting:

Overview Page Indication	Setting in 'Device Management – RF Setting' Page
OFF	Polling Switch
2	Polling Period (min)
3	Fault Diagnosis Num (times)
1	Alarm CycleNum (times)

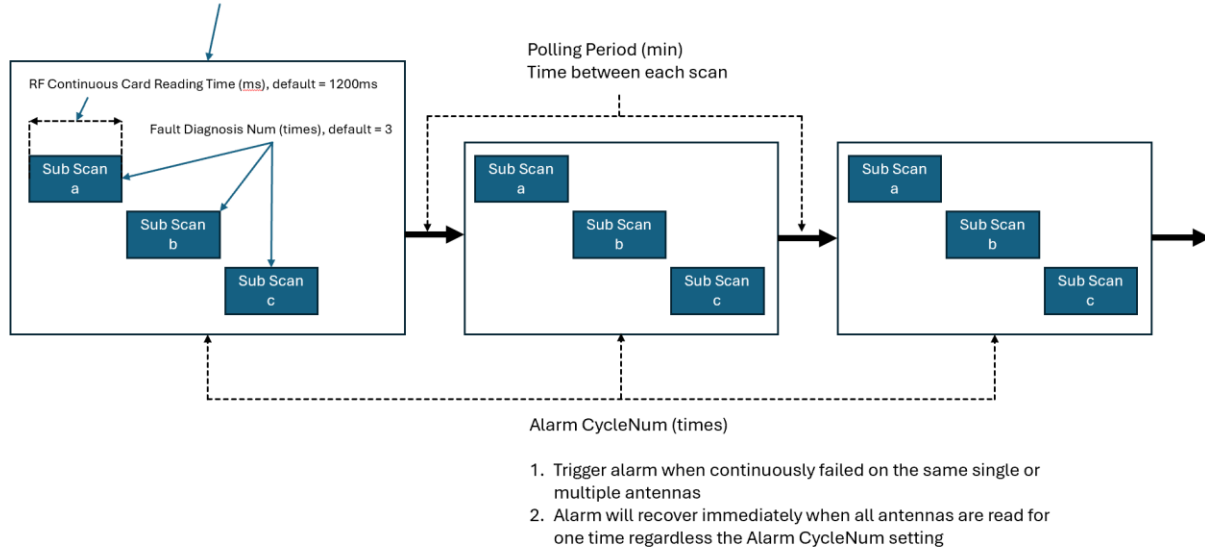
In AMS V2, Polling will automatically scan the antenna per setting, unlike AMS V1, it will NOT interrupt regular WEB GUI operation:

- Polling Switch: Can be OFF during the commissioning. Turn it ON after completing the commissioning, so the system will scan the antenna and generate alarms automatically. ***This switch can be turned ON or OFF from the slide bar in the Overview Page***
- Polling Period (min): The time between each scan for polling
- Fault Diagnosis Num (times): sub scanning count, DO NOT change
- Alarm CycleNum (times): Fail times before triggering the alarm

The scanning/polling mechanism can be explained from the chart below:

ONE Single scan from user operation
(e.g. click the refresh in Overview or tag scan in Advanced Scan Page)

Using default number, a single scan will be around 3.6s, it breaks down into several sub scanning per setting



Overview Page:

Comba

Overview

Device Tag Management

Device Management

Device Model	CP-AMS-V2-MCU
Serial Number	26112438
Device Time	January 9, 2025 11:11:34
RF Setting	ON / 33 / 1200
Poling Setting	OFF / 2 / 3 / 1
Poling Switch	<input type="radio"/> OFF

Refresh

No.	Tag	Description	Status
No matching data found			

Overview

Alarms	
Antenna Alert (Notification)	<input checked="" type="checkbox"/>
Antenna Alarm (Dry Contact Alarm 2)	<input checked="" type="checkbox"/>
Device Fault Alarm (Dry Contact Alarm 1)	<input checked="" type="checkbox"/>

RF Setting Page in Device Management:

Comba

Overview

Device Tag Management

Device Management

Device Information

RF Setting

Firmware Upgrade

Alarm Log

Import / Export

RF Setting

Parameter Name	Parameter Values
RF Switch	ON
RF Transmission Power (dBm)	33
RF Continuous Card Reading Time (ms)	1200
Poling Switch	OFF
Testing Switch	OFF
Poling Period (min)	2
Fault Diagnosis Num (times)	3
Alarm CycleNum (times)	1

Set

5. Scanning Antennas (tags) and Antennas (tags) Management:

Scan the tags and save the results into AMS:

1. Device Tag Management - Advanced Scan Page: Start a scan by clicking 'Tag Scan'
Jump to step 6 for manually add antennas (tags)

Comba Advanced Scan

RF Switch ☒ ON RF TX PWR 33 Scan Time 1200

Tag Scan **Save All To Device**

No.	Tag	Description	Status
1	24082518	New Tag	Modify

2. Antennas will be populated, click the 'Modify' to change the description
3. After all antenna names are modified, click 'Save All to Device'
4. Review the saved antennas in Tag Management page:

Comba Tag Management

Refresh **Add** **Delete** **Save**

No.	Tag	Description
1	24082518	Milpitas Test

5. Click on the description for further modification, then click 'Save' at top
6. Antennas (tags) can be Add or Delete from this page.

Check Antennas (tags):

1. Click the 'Refresh' in Overview Page, system will start a scan and refresh results.
Alarms will be generated accordingly if there are missing antennas.

Comba Overview

Device Model CP-AMS-V2-MCU
Serial Number 26112438
Device Time January 9, 2025 12:29:31
RF Setting ON / 33 / 1200
Poling Setting OFF / 2 / 3 / 1
Poling Switch ☐ OFF

Alarms

Antenna Alert (Notification)	<input checked="" type="checkbox"/>
Antenna Alarm (Dry Contact Alarm 2)	<input checked="" type="checkbox"/>
Device Fault Alarm (Dry Contact Alarm 1)	<input checked="" type="checkbox"/>

Refresh

No.	Tag	Description	Status
1	24082518	Milpitas Test	<input checked="" type="checkbox"/>