

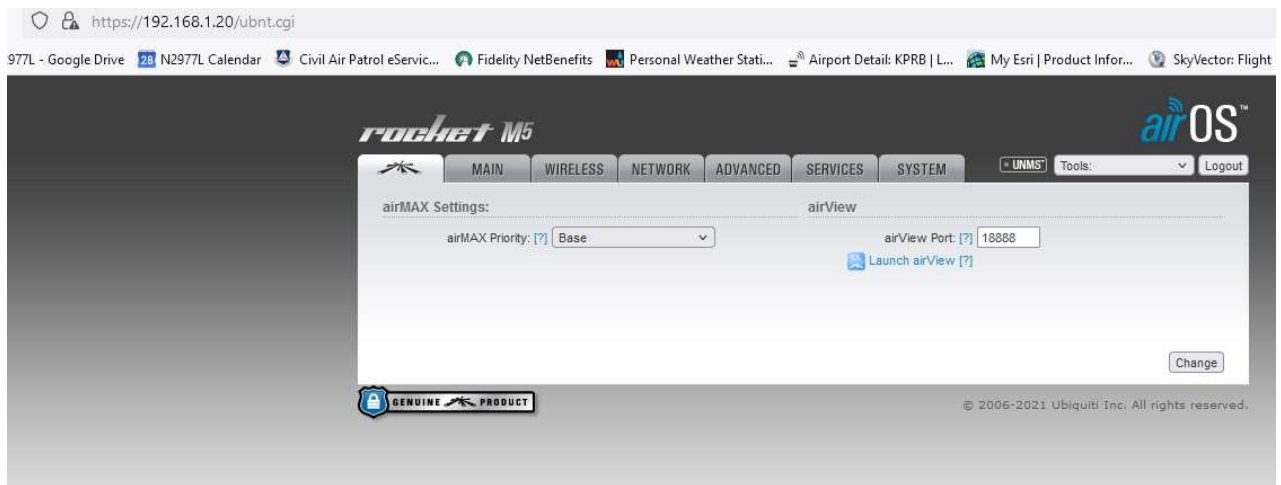
## KG6SII's AREDN firmware loading issues – 4/10/22

Errors I get when trying to flash 3.22.1.0 onto a Ubiquiti Rocket M5 and Ubiquiti NanoStation M5:

- On both of my Windows 10 computers: “Connect Request Failed”
- On my old Windows XP computer: “Firmware check failed” or it just sits forever

Things I've tried so far to fix this:

- Used a cable tester on all my cables, found 1 cable with a bad connection on pin 8, stopped using that cable
- Got a 10/100 switch
- Got a PoE injector from Amazon (non-Ubiquiti brand, this is last in line after the 10/100 switch, before the radio)
- Tried loading all available firmware files (-m, -xw, etc., unplugging everything in between each attempt, re-doing the radio reset sequence)
- Pings now report fine: 4/4, 0% loss, 0ms
- The radios have an old Ubiquiti AirOS loaded on them (v6.3.6 XW). See existing firmware settings below for the Rocket:



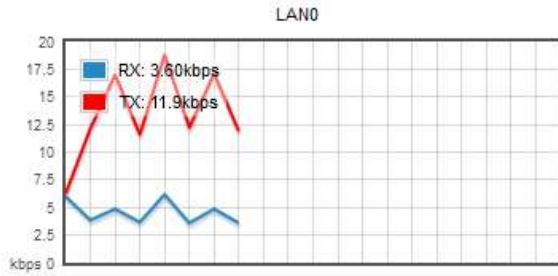
The screenshot shows the web interface for a Ubiquiti Rocket M5. The browser address bar displays `https://192.168.1.20/ubnt.cgi`. The interface includes a navigation menu with tabs for MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The current page is titled "airMAX Settings" and "airView". Under "airMAX Settings", there is a dropdown menu for "airMAX Priority" set to "Base". Under "airView", there is a text input field for "airView Port" set to "18888" and a "Launch airView" button. A "Change" button is located at the bottom right of the settings area. The interface also features a "GENUINE PRODUCT" logo and a copyright notice: "© 2006-2021 Ubiquiti Inc. All rights reserved."

Status

Device Model: Rocket M5	CPU:  3 %
Device Name: Rocket M5	Memory:  33 %
Network Mode: Bridge	AP MAC: Not Associated
Wireless Mode: Station	Signal Strength: -
SSID: ubnt	Chain0 / Chain1: 0 / 0 dBm
Security: none	Noise Floor: -
Version: v6.3.6 (XW)	Transmit CCQ: -
Uptime: 00:03:11	TX/RX Rate: - / -
Date: 2021-08-18 19:33:06	airMAX: -
Channel/Frequency: 164 / 5820 MHz	UNMS: [?] Disabled
Channel Width: 20 MHz	
Frequency Band: 5810 - 5830 MHz	
Distance: 0.7 miles (1.1 km)	
TX/RX Chains: 2X2	
TX Power: 27 dBm	
Antenna: RD-SG-34 - 34 dBi	
WLAN0 MAC: 44:D9:E7:DA:B3:74	
LAN0 MAC: 44:D9:E7:DB:B3:74	
LAN0: 100Mbps-Full	

Monitor

[Throughput](#) | [AP Information](#) | [Interfaces](#) | [DHCP Client](#) | [ARP Table](#) | [Bridge Table](#) | [Routes](#) | [Firewall](#) | [Log](#)



Refresh

Basic Wireless Settings

Wireless Mode: Station

WDS (Transparent Bridge Mode):  Enable

SSID: ubnt

Lock to AP:

Country Code: United States

IEEE 802.11 Mode: A/N mixed

Channel Width:[?] Auto 20/40 MHz

Frequency Scan List, MHz:  Enable

Calculate EIRP Limit:  Enable

Antenna: RD-5G-34 (2x2) - 34 dBi

Output Power:  dBm

Data Rate Module: Default

Max TX Rate, Mbps: MCS 15 - 130/144.4 [270]  Auto

Wireless Security

Security: none

Network Role

Network Mode: Bridge

Disable Network: None

Configuration Mode

Configuration Mode: Simple

Management Network Settings

Management IP Address:  DHCP  Static

DHCP Fallback IP: 192.168.1.20

DHCP Fallback Netmask: 255.255.255.0

MTU: 1500

Management VLAN:  Enable

Auto IP Aliasing:  Enable

STP:  Enable

IPv6:  Enable

IPv6 Address:  Static  SLAAC

Advanced Wireless Settings

RTS Threshold: [?]   Off

Distance: [?]  0.4 miles (0.6 km)  Auto Adjust

Aggregation: [?]  Frames  Bytes  Enable

Multicast Data: [?]  Allow

Installer EIRP Control: [?]  Enable

Extra Reporting: [?]  Enable

Sensitivity Threshold, dBm: [?]   Off

Advanced Ethernet Settings

LAN0 Speed: [?]  ▾

Signal LED Thresholds

	LED1	LED2	LED3	LED4
Thresholds, dBm: [?]	<input type="text" value="-94"/>	<input type="text" value="-80"/>	<input type="text" value="-73"/>	<input type="text" value="-65"/>

Change

Ubiquiti Network Management System

UNMS:  Enable

Url: -

Key:

Ping Watchdog

Ping Watchdog:  Enable

IP Address To Ping:

Ping Interval:  seconds

Startup Delay:  seconds

Failure Count To Reboot:

Save Support Info:

SNMP Agent

SNMP Agent:  Enable

SNMP Community:

Contact:

Location:

Web Server

Web Server:  Enable

Secure Connection (HTTPS):  Enable

Secure Server Port:

Server Port:

Session Timeout:  minutes

SSH Server

SSH Server:  Enable

Server Port:

Password Authentication:  Enable

Authorized Keys:

Telnet Server

Telnet Server:  Enable

Server Port:

NTP Client

NTP Client:  Enable

NTP Server:

Dynamic DNS

Dynamic DNS:  Enable

Service:

Host Name:

User Name:

Password:   Show

System Log

System Log:  Enable

Remote Log:  Enable

Remote Log IP Address:

Remote Log Port:

TCP Protocol:  Enable

Device Discovery

Discovery:  Enable

CDP:  Enable

Firmware Update

Firmware Version: XW.v6.3.6  
Build Number: 33330

Upload Firmware:  No file selected.

Check for Updates:  Enable

Device

Device Name:   
Interface Language:    
FCC ID:

Date Settings

Time Zone:    
Startup Date:  Enable  
Startup Date:

System Accounts

Administrator User Name:    
Read-Only Account:  Enable

Miscellaneous

Reset Button:  Enable  
Revised UNII Rules:

Location

Latitude:   
Longitude:

Device Maintenance

Reboot Device:   
Support Info:

Configuration Management

Back Up Configuration:   
Upload Configuration:  No file selected.  
Reset to Factory Defaults: