Version	Release Notes
2.5.1-0-02f76ce3e 24-Sep-2021	New features: - Support configuration of Wi-Fi VCM8002 via RC8000 USB port - Add "USB access" configuration option to enable/disable USB port of RC8000. This can be used to prevent unauthorized loading of firmware, scripts and standby images. Compatible with: - Room Controller Uploader: 3.1.0 and newer - ZigBee VCM8000: 31 - Wi-Fi VCM8002: 1.4
2.5.0-21-32dd739a 20-Apr-2021	New features: - Support LUA script read and write over BACnet as a file object: - Full size LUA script (as via USB) now supported via BACnet - Program objects 2-10 removed - WARNING: LUA scripts loaded before upgrade via Program 1-10 description fields are no longer supported. The script will need to be re-loaded via file transfer after upgrade. Improvements: - Accuracy of setpoints applied in centigrade improved - Fix rounding error in LUA when calculating some negative values - Fix issue with LUA 3 of 4 screen not exiting on timeout Compatible with: - Room Controller Uploader: 3.1.0 and newer - ZigBee VCM8000: 31 - Wi-Fi VCM8002: 1.3
2.4.3-0-0ffa8e844 5-Nov-2020	Bug Fixes: - R8350: Correct issue with Changeover and Supply temperature reading from relay pack. Compatible with: - Room Controller Uploader: 3.1.0 and newer - ZigBee VCM8000: 30 - Wi-Fi VCM8002: 1.2
2.4.2-2-8967b251f 24-Aug-2020	Bug Fixes: - Improve rounding in LUA mathematical calculations Compatible with: - Room Controller Uploader: 3.1.0 and newer - ZigBee VCM8000: 30 - Wi-Fi VCM8002: 1.2
2.4.1-5-a284dedc5 10-Jun-2020	New Features: - Display options added to allow hiding of: - System Status Icon - Fan Status Icon - Help Button Bug Fixes:

	• Backlight flashes dark each minute on LUA configuration pages Compatible with: • Room Controller Uploader: 3.1.0 and newer • ZigBee VCM8000: 30 o WARNING: Not backwards compatible with previous ZigBee VCMs • Wi-Fi VCM8002: 1.2

2.4.0-135-30526e5d9
 	
20-May-2020
	New Features:
	• Disable Dehumidification by default
	     o WARNING: If Dehumidification Lockout was left at default, it will change from Enabled to Disabled after upgrade. If Dehumidification is enabled, please check this value after upgrading.
	• Occupancy: Support "Schedule AND Motion" and "Schedule OR Motion" occupancy modes
	• Add points to allow use of all Universal Inputs as Thermistor, Binary or Voltage from LUA
	• Add selectable CO2 source
	• Use wireless door/window sensor without requiring UI16/17 to be set as door/window
	• Display Time source on clock configuration pages
	• Populate standby setpoint values when in relative mode
	• With ZigBee VCM 30:
	     o Support ZigBee 3.0
	     o Support Low (legacy) and Normal security levels
	     o Support 20 ZigBee sensors
	     o WARNING: After upgrading from VCM 20-24, Green Power sensor (SED-CO2-G-5045 or SED-TRH-G-5045) will need to be recommissioned
	• With Wi-Fi VCM 1.1:
	     o RC8650: Support Facility Expert integration
	     o Support reception of time via NTP
	Changes:
	• BACnet: Minor point changes needed to support 20 sensors:
	     o MSI.309 changes from Wireless Green Power Communication Status to Effective Temperature Sensor
	     o MSI.310 changes from Wireless Green Power Battery to Wireless Zone 11 Status
	     o MSI.311 changes from Wireless Green Power - Remove to Wireless Device 11 - Battery
	     o MSI.312 changes from Effective Temperature Sensor to Wireless Zone 11 Communication Status
	Bug Fixes:
	• Modbus reads failed on 2.3.x (COREGAM-3273)
	• RC8650: Fan was continuously on when unoccupied in Smart Mode (COREGAM-3241)
	Compatible with:

	- Room Controller Uploader: 3.1.0 and newer - ZigBee VCM: 30 WARNING: Not backwards compatible with previous ZigBee VCMs - Wi-Fi VCM: 1.1
2.3.1-0-80edaf58c 4-Sep-2019	Limited release via Technical Support only! Contains a work around for Wi-Fi Module network loss (WCM-1444), where RC8000 monitors the Wi-Fi Network Status and resets the Wi-Fi Module if it was online, then goes offline continuously for one hour.
2.3.0-177-3ef29bf83 22-Jul-2019	New features: - Support Z8250 VAV Room Controller - Add adjustable time to standby image and long message display (COREGAM-2975) - Improve detection and handling of faults on inputs Compatible with: - Room Controller Uploader: 3.1.0 and newer - ZigBee VCM: 24 - Hardware: (See "BD" number on sticker on back of thermostat) <table><tr><th>Model</th><th>BD number</th></tr><tr><td>8350U0B</td><td>026-0473</td></tr><tr><td>8350U5B(PIR)</td><td>026-0472</td></tr><tr><td>8350U5BP(PIR,ZB)</td><td>026-0453</td></tr><tr><td>8650U0B</td><td>026-0471</td></tr><tr><td>8650U5B(PIR)</td><td>026-0470</td></tr><tr><td>8650U5BP(PIR,ZB)</td><td>026-0454</td></tr><tr><td>R8350A0B</td><td>026-0475</td></tr><tr><td>R8350A5B(PIR)</td><td>026-0474</td></tr><tr><td>R8350A5BP(PIR,ZB)</td><td>026-0452</td></tr><tr><td>Z8250</td><td>All references</td></tr></table>
2.2.0-113-41f47fa0 01-Apr-2019	New Features: - Support VCM8002V5031 Wi-Fi Module - Support Effective Mode (MSI.314) and Setpoint (AI.329) via Service View and BACnet - Display ZigBee VCM IEEE Address in Network screen - Update BACnet BTL certification, various small changes - Add BACnet Poll Rate to Network screen Fixes: - Fixed an issue where some BACnet instance numbers could not be set via the network screens (COREGAM-2782) - Extend BACnet maximum COV lifetime from 8 to 24 hours (COREGAM-2912) 8650: Fix issue where W1 was not disabled if Outdoor Temperature was greater than the High Balance Point (COREGAM-2907) - Fix issue where graphics file was occasionally corrupted during upload (COREGAM-2839)

	• R8350: Fix issue where Pulsed Heat output did not follow Occupied state when configured as "Occ out" (COREGAM-2780) Compatible with: • Room Controller Uploader: 3.1.0 and newer • ZigBee VCM: 23 • Hardware: (See "BD" number on sticker on back of thermostat) <table><tr><th>Model</th><th>BD number</th></tr><tr><td>8350U0B</td><td>026-0473</td></tr><tr><td>8350U5B(PIR)</td><td>026-0472</td></tr><tr><td>8350U5BP(PIR,ZB)</td><td>026-0453</td></tr><tr><td>8650U0B</td><td>026-0471</td></tr><tr><td>8650U5B(PIR)</td><td>026-0470</td></tr><tr><td>8650U5BP(PIR,ZB)</td><td>026-0454</td></tr><tr><td>R8350A0B</td><td>026-0475</td></tr><tr><td>R8350A5B(PIR)</td><td>026-0474</td></tr><tr><td>R8350A5BP(PIR,ZB)</td><td>026-0452</td></tr></table>
2.1.1-22-9976868 20-Sep-2018	New Features: • Support ECM Fan Motors on 8350 and R8350 models (COREGAM-2434) • Support Japanese language (COREGAM-2609) • Support Hebrew language (COREGAM-2624) Fixes: • Fix issue where changes to BACnet COV increments were not accepted on some AO and AV points if a COV configuration previously existed (COREGAM-2640) • Restore LUA points UI19-24 (AV202-206) previously removed in 2.0.0 Compatible with: • Room Controller Uploader: 3.1.0 and newer • ZigBee VCM: 22 • Hardware: (See "BD" number on sticker on back of thermostat) <table><tr><th>Model</th><th>BD number</th></tr><tr><td>8350U0B</td><td>026-0473</td></tr><tr><td>8350U5B(PIR)</td><td>026-0472</td></tr><tr><td>8350U5BP(PIR,ZB)</td><td>026-0453</td></tr><tr><td>8650U0B</td><td>026-0471</td></tr><tr><td>8650U5B(PIR)</td><td>026-0470</td></tr><tr><td>8650U5BP(PIR,ZB)</td><td>026-0454</td></tr><tr><td>R8350A0B</td><td>026-0475</td></tr><tr><td>R8350A5B(PIR)</td><td>026-0474</td></tr><tr><td>R8350A5BP(PIR,ZB)</td><td>026-0452</td></tr></table>
2.0.1-2-819368b 15-Aug-2018	New Features: • Support backup and restore of RC8000 thermostat configuration. Requires Room Controller Uploader 3.1.0 or newer (GAMMATOOL-193)

	• Compensate Relative Humidity values from internal sensor to improve accuracy across temperature range (COREGAM-2625)
	
	Fixes:
	
	• Fix issue in 2.0.0 firmware with local temperature measurement, where room temperatures below 68f/20c could read up to 6f/3c high then suddenly revert to the true value (COREGAM-2605)
	
	Compatible with:
	
	• Room Controller Uploader:
	    o 3.0.0 or newer
	    o 3.1.0 required for Configuration Backup/Restore
	• ZigBee VCM: 20
	• Hardware: (See "BD" number on sticker on back of thermostat)
	
	<table><tr><th>Model</th><th>BD number</th></tr><tr><td>8350U0B</td><td>026-0473</td></tr><tr><td>8350U5B(PIR)</td><td>026-0472</td></tr><tr><td>8350U5BP(PIR,ZB)</td><td>026-0453</td></tr><tr><td>8650U0B</td><td>026-0471</td></tr><tr><td>8650U5B(PIR)</td><td>026-0470</td></tr><tr><td>8650U5BP(PIR,ZB)</td><td>026-0454</td></tr><tr><td>R8350A0B</td><td>026-0475</td></tr><tr><td>R8350A5B(PIR)</td><td>026-0474</td></tr><tr><td>R8350A5BP(PIR,ZB)</td><td>026-0452</td></tr></table>

2.0.0-313-a860f13 06-Apr-2018	New Features: • Increase LUA script memory size to 80kB (COREGAM-1520) • Support upgrade of ZigBee VCM (internal and external) (COREGAM-1638) • Support internal ZigBee VCM (COREGAM-1678) • Add new user interface colors: Red, Pink, Purple, Orange & Black (COREGAM-1932) • Increase number of generic LUA variables from 6 to 12 (COREGAM-2226) Fixes: • Improve response time of economizer when room temperature is close to setpoint (COREGAM-2233) Compatible with: • Room Controller Uploader: 3.0.0 or newer • ZigBee VCM: 20 • Hardware: (See "BD" number on sticker on back of thermostat) <table><tr><th>Model</th><th>BD number</th></tr><tr><td>8350U0B</td><td>026-0473</td></tr><tr><td>8350U5B(PIR)</td><td>026-0472</td></tr><tr><td>8350U5BP(PIR,ZB)</td><td>026-0453</td></tr><tr><td>8650U0B</td><td>026-0471</td></tr><tr><td>8650U5B(PIR)</td><td>026-0470</td></tr><tr><td>8650U5BP(PIR,ZB)</td><td>026-0454</td></tr><tr><td>R8350A0B</td><td>026-0475</td></tr></table>

	R8350A5B(PIR)	026-0474
	R8350A5BP(PIR,ZB)	026-0452

1.7.3-01b1 25-May-2018	Fixes: • Fix issue where configuration values set via Modbus were lost after a power cycle (COREGAM-1750) Compatible with: • Room Controller Uploader: 2.0.0 or newer • ZigBee VCM: 10, 20
1.7.2-2b98 5-Apr-2018	Fixes: • Fix issue where some units would display corrupted graphics (incorrect pixels, graphics shifted up or down) (COREGAM-1995) • Improve response time of economizer when room temperature is close to setpoint (COREGAM-2316) Compatible with: • Room Controller Uploader: 2.0.0 or newer • ZigBee VCM: 10, 20

1.7.0-1aa5
 	
28-Jul-2017
	New Features:
	• Support new wireless sensors: (COREGAM-1528)
	    ○ SED-CO2-G-5045: CO2, Temperature, Relative Humidity
	    ○ SED-TRH-G-5045: Temperature, Relative Humidity
	• Support Centralite wireless 3-Series Water Sensor 3315 (COREGAM-1650)
	• Support temperature and relative humidity reading from motion sensors: (COREGAM-198)
	    ○ SED-WMS-P: Wireless Wall Mounted Sensor (From Revision C)
	    ○ SED-CMS-P: Wireless Ceiling Mounted Sensor (From Revision C)
	• Support Automated Demand Response (ADR) via BACnet (COREGAM-1798)
	Compatible with:
	• Room Controller Uploader: 2.0.0 or newer
	• ZigBee VCM: 10, 20