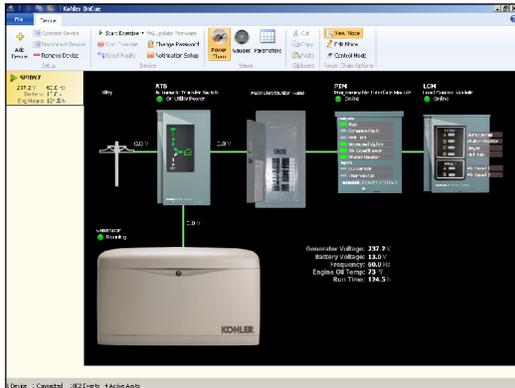


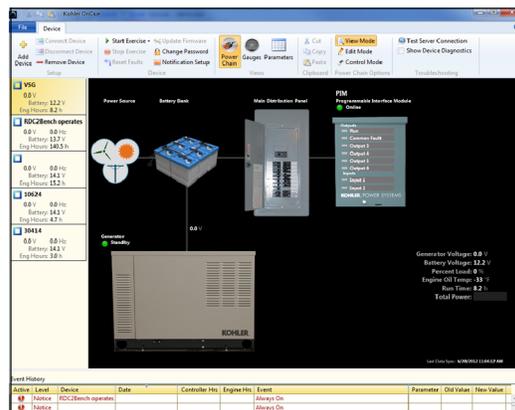
# Residential/Light Commercial Generator Accessories

## KOHLER Power Systems

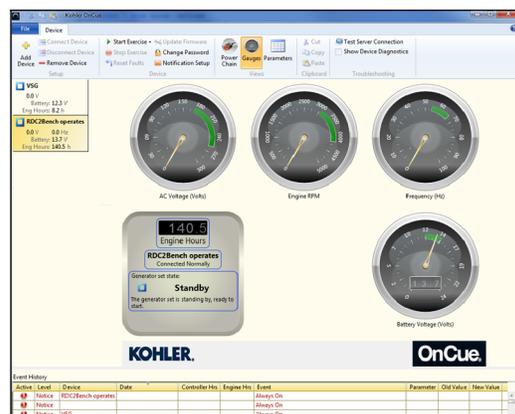
## Kohler® OnCue® Generator Management System Software



OnCue® User Interface - Power Chain View for RDC2



OnCue® User Interface - Power Chain View for VSC



OnCue® User Interface - Gauges View

### Applicable Models

- VSC Controller
  - 6VSG variable-speed DC generator set
- RDC2 or DC2 Controller
  - 14/20RESA generator sets
  - 14/20RESAL generator sets
  - 38RCL generator set
  - 48RCL generator set
- RDC or DC Controller
  - 14/20RES generator sets
  - 14/20RESL generator sets

### OnCue® Features

- Power Chain View monitors your Kohler® generator set, RXT automatic transfer switch\*, Load Control Module (LCM)\*, and Programmable Interface Module (PIM)† from any location in the world with Internet access.
- Control home automation when generator set is paired with a Programmable Interface Module (PIM)†. Remotely turn on or off appliances, outdoor lighting, storm shutters, etc.
- RDC2/DC2 and VSC controllers have built-in Ethernet capability.
- Receive generator set start/stop and fault messages by email or SMS text message. Kohler® OnCue® server sends email and text messages anytime, without requiring your computer to be turned on.
- Install OnCue® software on one or more personal computers.
- Monitor multiple generator sets. Navigation panel displays status information for multiple generator systems and allows easy selection of one generator set for detailed monitoring and control.
- Start exercises from your computer.
- Stop the generator set exercise and clear faults from your computer.
- View time- and date-stamped event history listing generator set starting and stopping, faults, and notifications.
- Simple connection and setup – just enter generator set serial number, controller password, and activation code (if required). No router setup is required.
- Controller password and generator set serial number protect against access by unauthorized users.
- All Ethernet communication is fully authenticated and encrypted for privacy.

\* Model RXT ATS and LCM can be used with generator sets equipped with the RDC2 or DC2 controller.

† PIM can be used with generator sets equipped with the VSC, RDC2, or DC2 controller.

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## View System Operation Data

### Generator Set with RDC, DC, RDC2, or DC2 Controllers

- Generator set running or stopped
- Generator output frequency, Hz
- Generator output voltage, VAC
- Engine speed, RPM
- Engine starting battery voltage, VDC
- Engine run time, hours
- Fault indication with description
- Generator operation event history
- Status information for multiple generator sets displayed in the navigation panel

### Generator Set with VSC Controller

- Generator set running or stopped
- % load
- Generator output DC voltage, VDC
- Engine speed, RPM
- Engine starting battery voltage, VDC
- Engine run time, hours
- Fault indication with description
- Generator operation event history
- Status information for multiple generator sets displayed in the navigation panel

### ATS (RXT only)\*

- Source availability
- ATS position

### Load Control Module (LCM)\*

- View current loads and shed loads
- Dual color LEDs for each load indicate load status (powered or shed) and flash to indicate a test
- Change load labels to identify which loads are powered and shed
- See G6-120 for more information

### Programmable Interface Module (PIM)†

- View relay status
- Green/gray LEDs to indicate on/off
- Change input and output labels
- See G6-121 for more information

### 6VSG Communications Kit

- View input and output status
- Green/gray LEDs to indicate on/off

## Remote Control/Home Automation

### Generator Set

- Start/Stop exercises remotely
- Clear or reset faults remotely

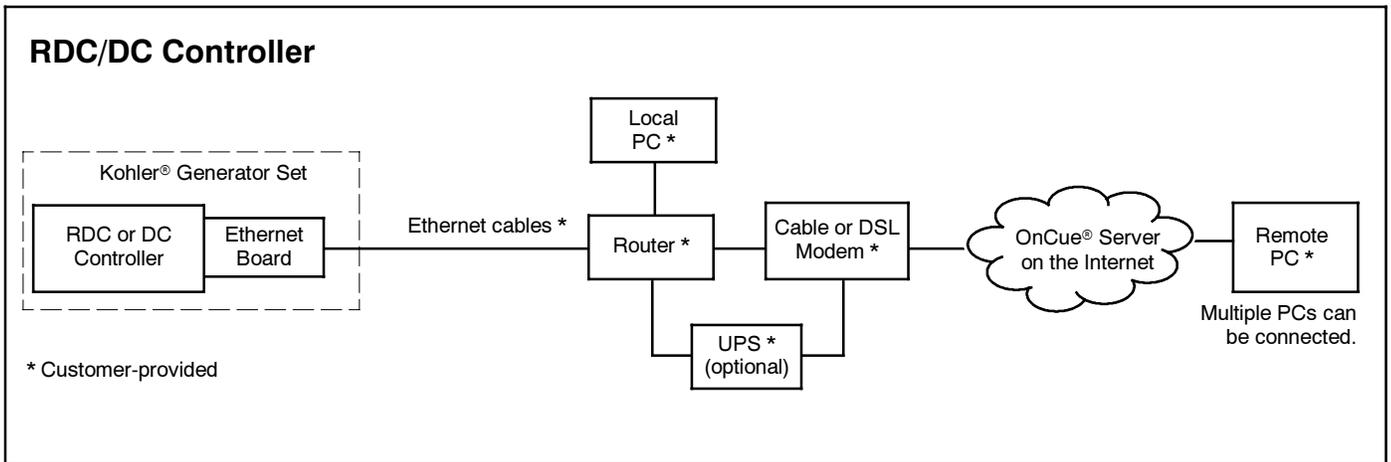
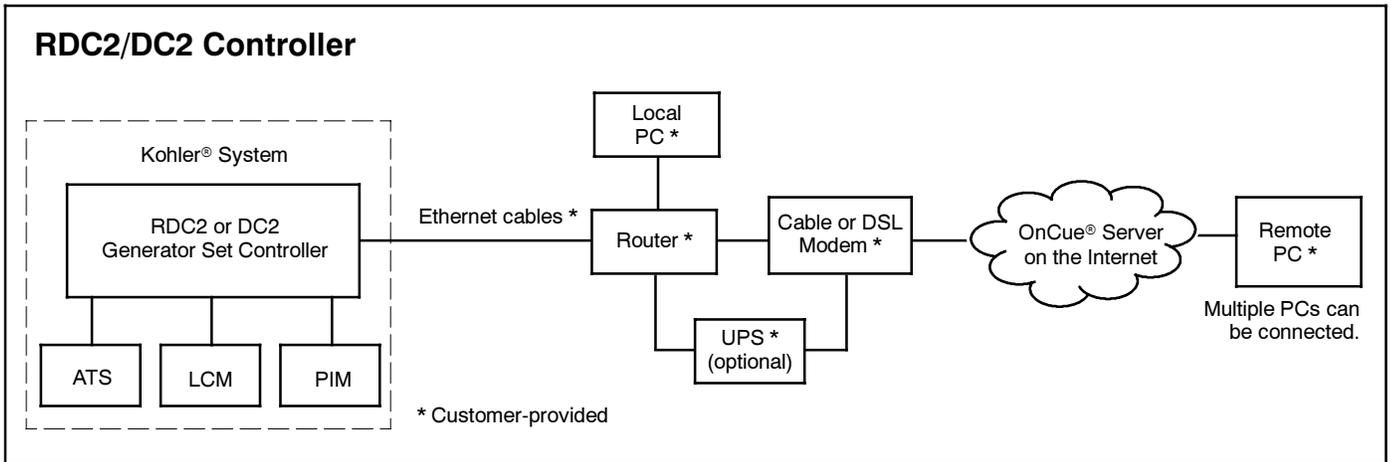
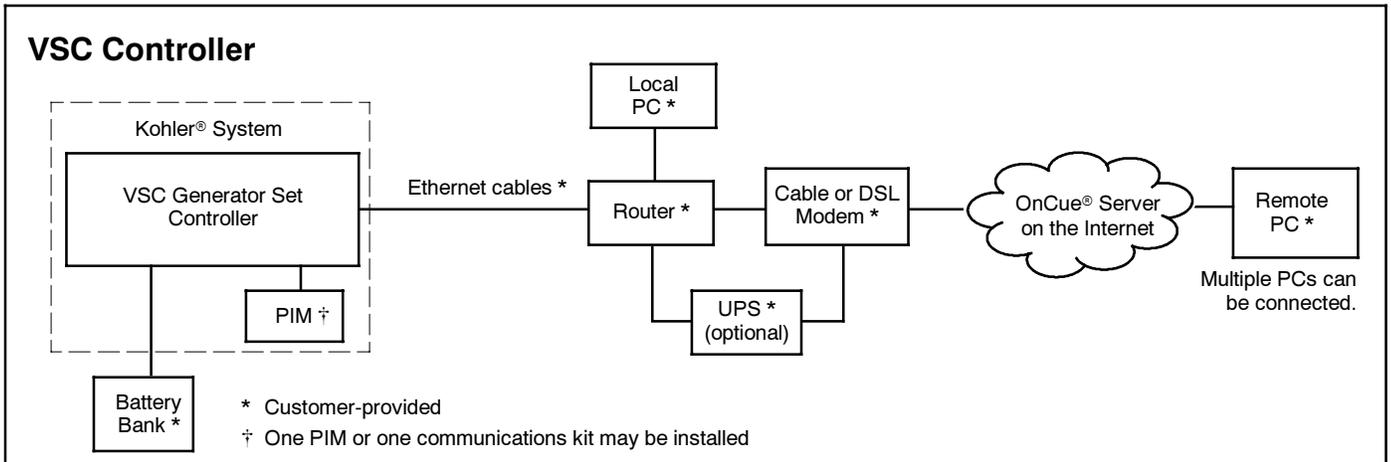
### Programmable Interface Module (PIM)†

- Turn relays on and off remotely to control appliances, outdoor lighting, storm shutters, etc.

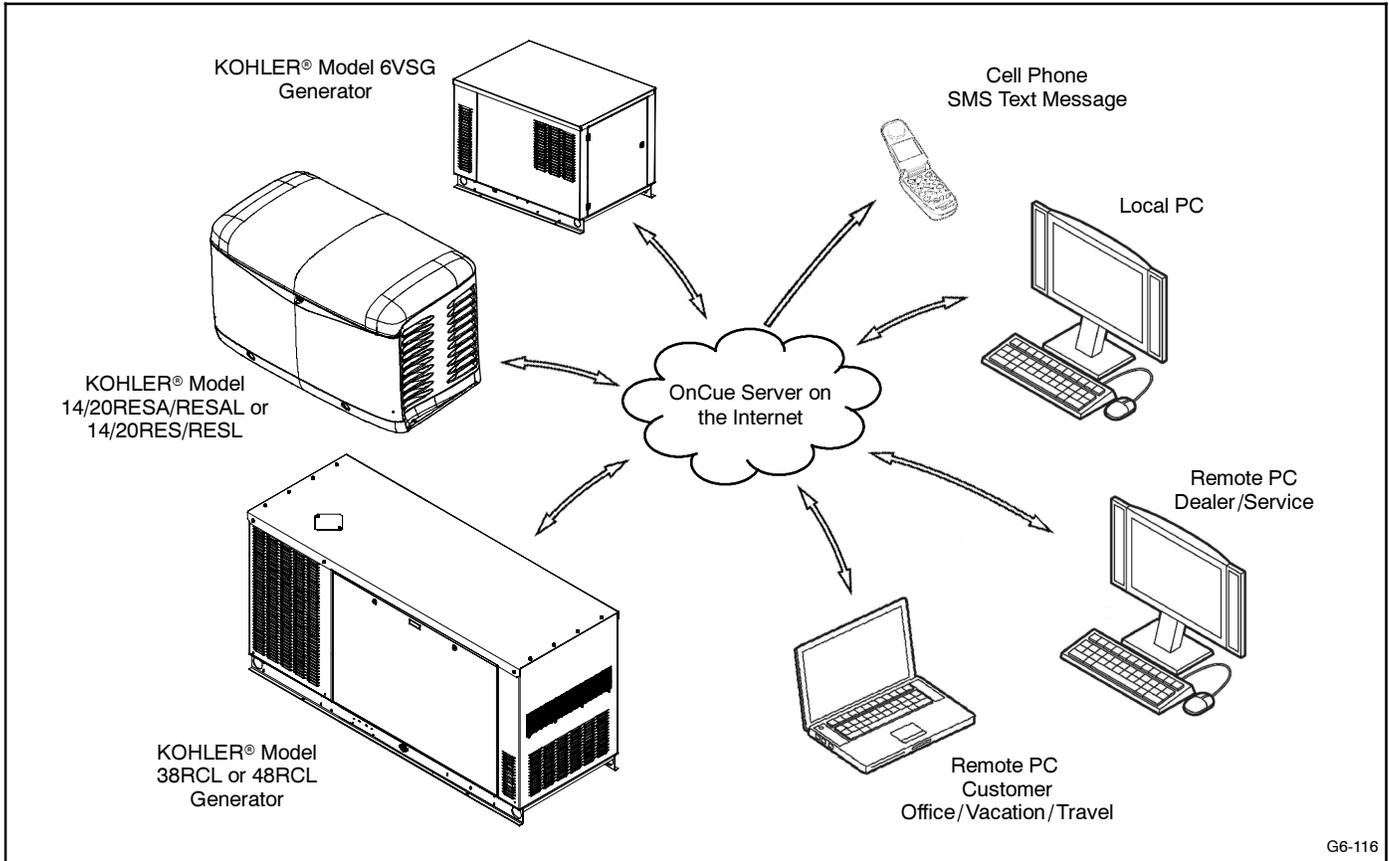
\* Model RXT ATS and LCM can be used with generator sets equipped with the RDC2 or DC2 controller.

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# Typical Connections



# OnCue® System



G6-116

## Power Chain View, RDC2/DC2 Controller

**Power Chain View, RDC2/DC2 Controller**

The screenshot shows the Kohler OnCue software interface. The main display area features a power flow diagram with the following components and status:

- VSG:** 0.0 V, Battery: 12.4 V, Eng Hours: 8.2 h
- RDC2Bench operates:** 0.0 V, 0.0 Hz, Battery: 13.7 V, Eng Hours: 140.5 h
- 10624:** 0.0 V, 0.0 Hz, Battery: 14.0 V, Eng Hours: 15.2 h
- 10624:** 0.0 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 4.7 h
- 30414:** 0.0 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 3.0 h
- Utility:** 209.8 V
- ATS (Automatic Transfer Switch):** On Utility Power
- Main Distribution Panel:** 209.8 V
- PIM (Programmable Interface Module):** Online
- LCM (Load Control Module):** Online
- Generator:** Standby, 0.0 V

Additional information displayed includes:

- Generator Voltage: 0.0 V
- Battery Voltage: 13.7 V
- Frequency: 0.0 Hz
- Engine Oil Temp: 72 °F
- Run Time: 140.5 h
- Total Power:

**Event History Table:**

Active	Level	Device	Date	Controller Hrs	Engine Hrs	Event	Parameter	Old Value	New Value
	Notice					Always On			
	Notice	RDC2Bench operates				Always On			

## Power Chain View, VSC Controller

**Power Chain View, VSC Controller**

**Summary Panel:**

- VSG: 0.0 V, Battery: 12.2 V, Eng Hours: 8.2 h
- RDC2Bench operates: 0.0 V, 0.0 Hz, Battery: 13.7 V, Eng Hours: 140.5 h
- 10624: 0.0 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 15.2 h
- 30414: 0.0 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 4.7 h
- 30414: 0.0 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 3.0 h

**Real-time Data:**

- Generator Voltage: 0.0 V
- Battery Voltage: 12.2 V
- Percent Load: 0 %
- Engine Oil Temp: -33 °F
- Run Time: 8.2 h
- Total Power: [Redacted]

**Event History Table:**

Active	Level	Device	Date	Controller Hrs	Engine Hrs	Event	Parameter	Old Value	New Value
Notice	Notice	RDC2Bench operates				Always On			
Notice	Notice					Always On			
Notice	Notice	VSG				Always On			

## Power Chain View, VSC Controller with Communications Kit

**Power Chain View, VSC Controller with Communications Kit**

**Summary Panel:**

- VSG: 39.6 V, Battery: 13.5 V, Eng Hours: 2.1 h

**Real-time Data:**

- Generator Voltage: 39.6 V
- Battery Voltage: 13.5 V
- Percent Load: 0 %
- Engine Oil Temp: 131 °F
- Run Time: 2.1 h
- Total Power: [Redacted]

**Interface Board Status:**

- Run: [Green]
- Common Fault: [Red]
- Battery Voltage Low: [Red]
- Oil Pressure Low: [Red]
- Cabinet Inhabitation Alarm: [Red]
- Reservoir Oil Empty: [Red]
- Oil Pressure Low: [Red]
- Cabinet Inhabitation Alarm: [Red]

**Event History Table:**

Active	Level	Device	Date	Controller Hrs	Engine Hrs	Event	Parameter	Old Value	New Value
Notice	Notice			2007.8	0.0	Parameter Changed	Personality Installed Options	0	8

578 Events | 4 Active Alerts

## System Requirements

- OnCue® software  
 (download from [www.KOHLERPower.com/OnCue](http://www.KOHLERPower.com/OnCue))
- Personal computer (PC) with Microsoft® Windows® 7, Windows® 8, Windows Vista®, or Windows XP®
- 1 GB of RAM
- Up to 500 MB of available hard disk space may be required
- Always-on Internet access (for example, cable, DSL, or phone line modem connected 24 hours)
- Internet router and network cable for connection to Ethernet
- Uninterruptible power supply (UPS) for modem and router (optional)

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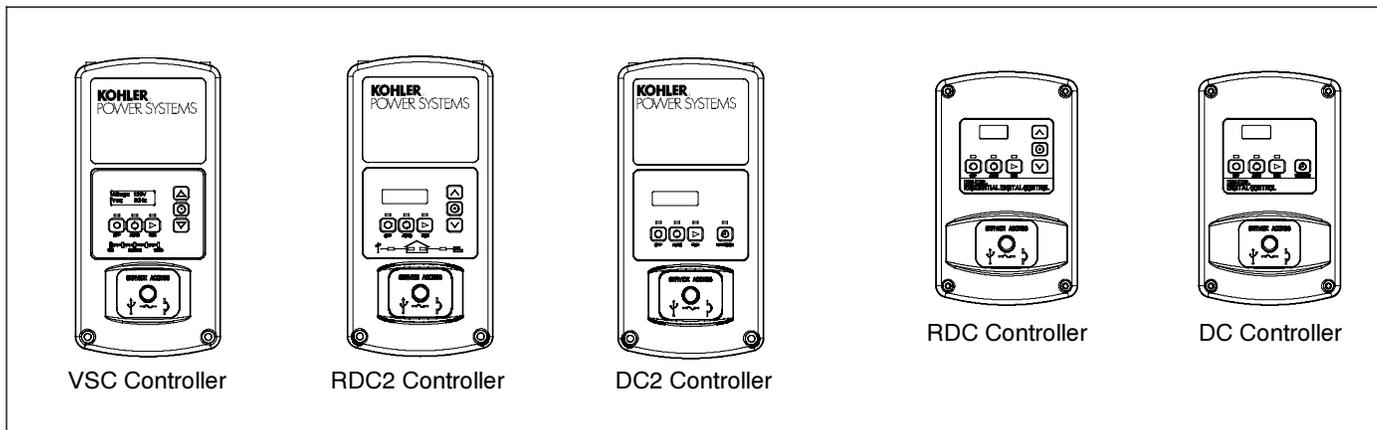
## Ethernet Option Board Specifications (RDC/DC controller only)

- Environmental specifications:
  - Operating temperature: -30°C to 70°C (-22°F to 158°F)
  - Storage temperature: -40°C to 85°C (-40°F to 185°F)
  - Humidity: 5-95% non-condensing
- Standard RJ45 jack for network connection
- Standard 10/100 Ethernet

## OnCue® System Kits

- RDC2/DC2/VSC controller
  - Activation code decal
  - Ethernet connector
  - Operation manual
- RDC/DC controller
  - OnCue Ethernet option board
  - Installation instructions
  - Operation manual

## Controllers



VSC Controller

RDC2 Controller

DC2 Controller

RDC Controller

DC Controller

**DISTRIBUTED BY:**

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