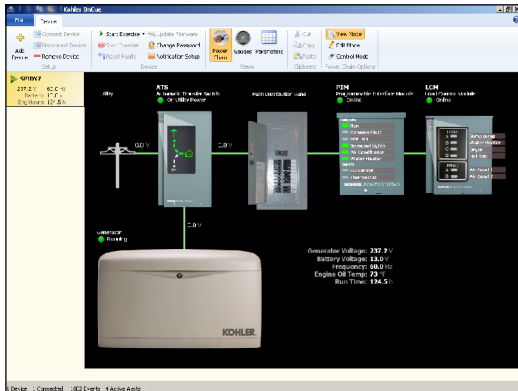


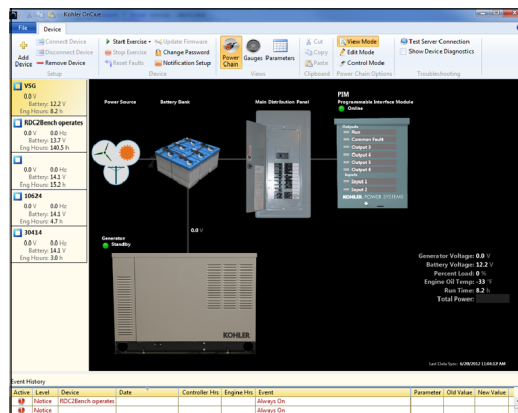
Residential/Light Commercial Generator Accessories

KOHLER Power Systems

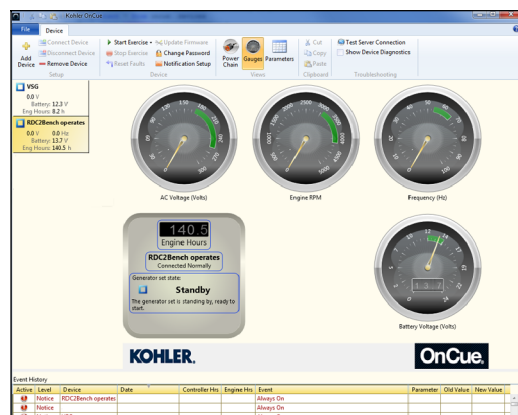
Kohler® OnCue® Generator Management System Software



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.

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

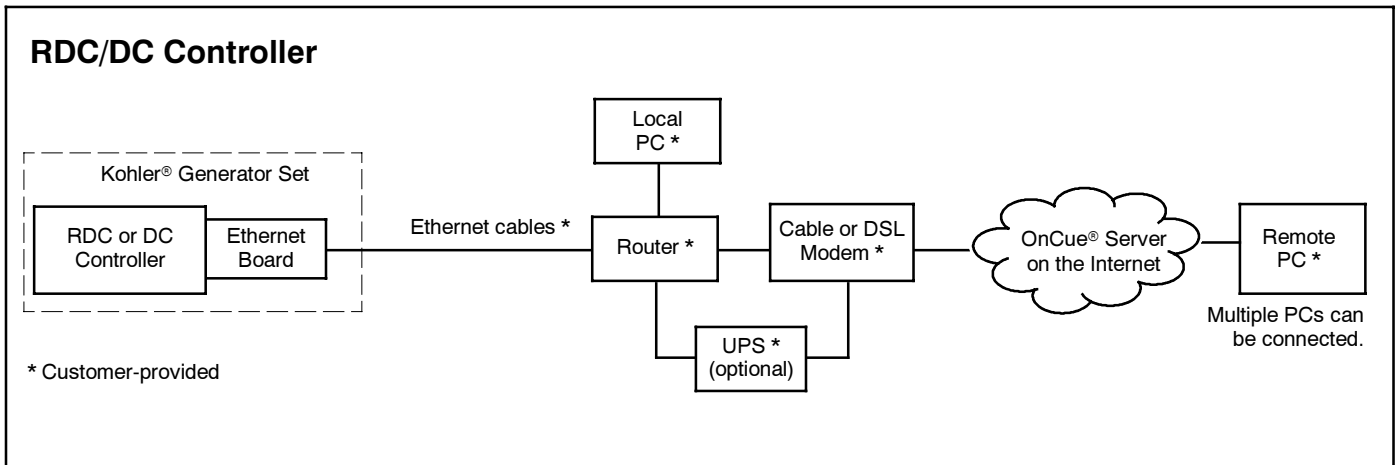
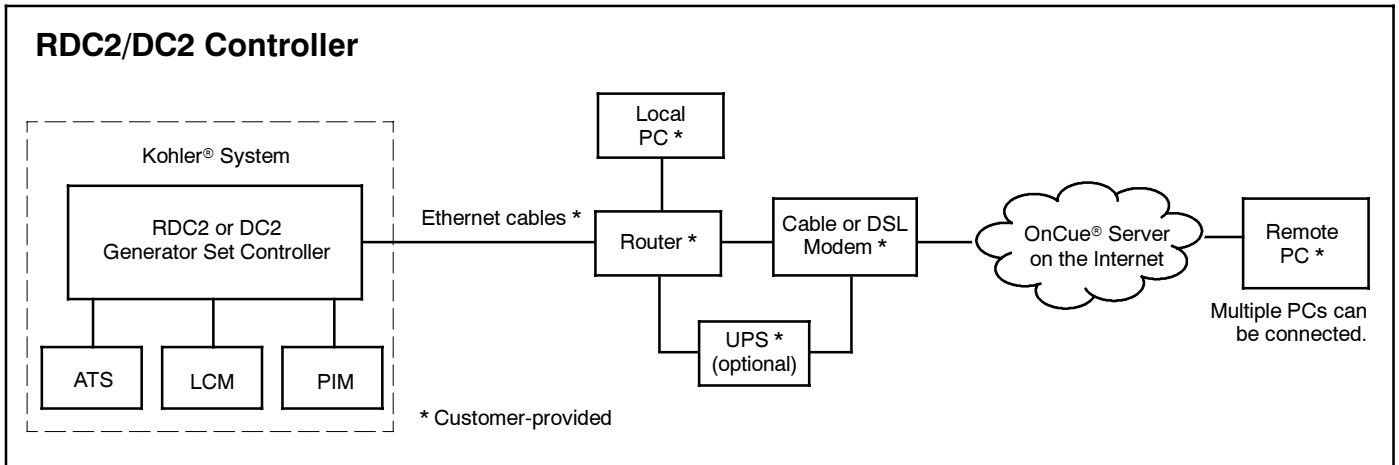
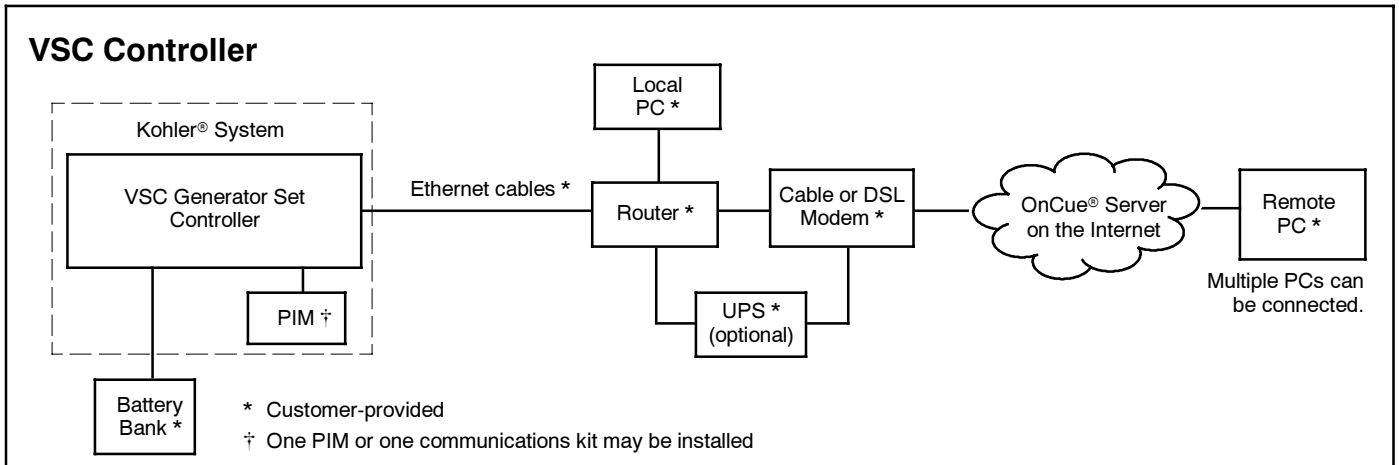
Programmable Interface Module (PIM)†

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

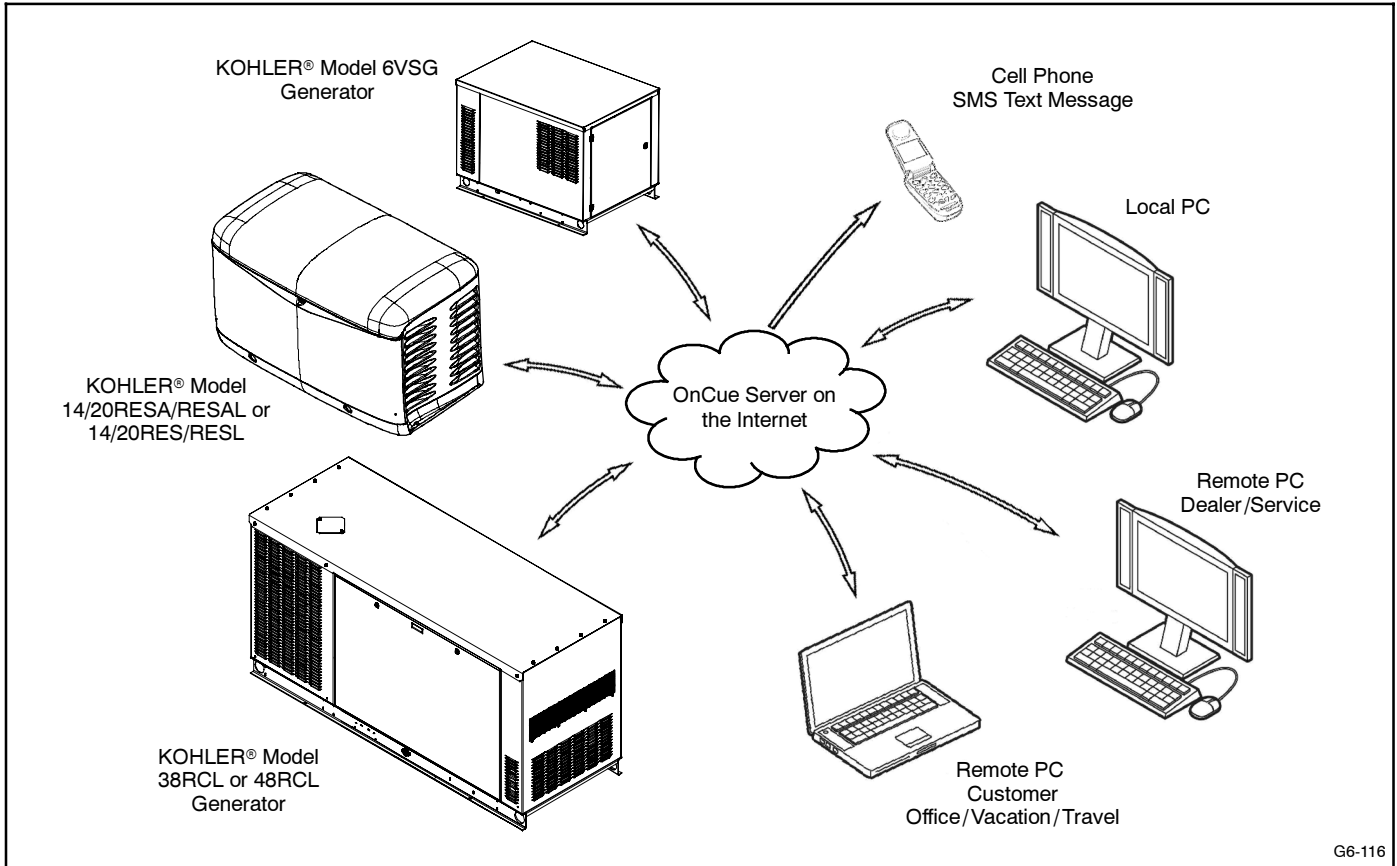
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† PIM can be used with generator sets equipped with the VSC, RDC2, or DC2 controller.

Typical Connections



OnCue® System



G6-116

Power Chain View, RDC2/DC2 Controller

The screenshot shows the Kohler OnCue software interface. The top menu bar includes **File**, **Device**, **View Mode**, and **Test Server Connection**. The main display area is titled **Power Chain View** and shows a power flow diagram. The diagram starts with a **Generator** (standby) at 0.0 V, which feeds into an **ATS** (Automatic Transfer Switch) on Utility Power at 209.8 V. The power then flows through a **Main Distribution Panel** to a **PIM** (Programmable Interface Module) at 209.8 V. The PIM outputs to an **LCM** (Load Control Module) at 0.0 V, which then feeds into various **Outputs** (Common Fault, Output 3, Output 4, Output 5, Output 6) and **Inputs** (Input 1, Input 2). The LCM also feeds into **LOAD** (Output 3, Output 4, Output 5, Output 6) and **HVAC** (Output 1, Output 2).

On the left side, there are several status panels:

- 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

At the bottom right, there is a summary of system status:

- 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:

At the bottom, there is an **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

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

- Power Source:** 0.0 V
- Battery Bank:** 0.0 V, 0.0 Hz, Battery: 12.2 V, Eng Hours: 8.2 h
- Main Distribution Panel:** 0.0 V
- PIM (Programmable Interface Module):** Online
- Generator:** Standby, 0.0 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 3.0 h

Summary statistics on the right:

- 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

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

- Power Source:** 39.6 V
- Battery Bank:** 13.5 V, 0.0 Hz, Battery: 13.5 V, Eng Hours: 2.1 h
- Main Distribution Panel:** 39.6 V
- Generator:** Running, 39.6 V, 0.0 Hz, Battery: 14.1 V, Eng Hours: 3.0 h

Summary statistics on the right:

- 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 Inbreach Alarm: [Red]
- Reservoir Oil Empty: [Red]
- Oil Pressure Low: [Red]
- Cabinet Inbreach Alarm: [Red]

Event History Table:

Active	Level	Device	Date	Controller Hrs	Engine Hrs	Event	Parameter	Old Value	New Value
Notice	Notice					Always On			
Status	Status			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)
- 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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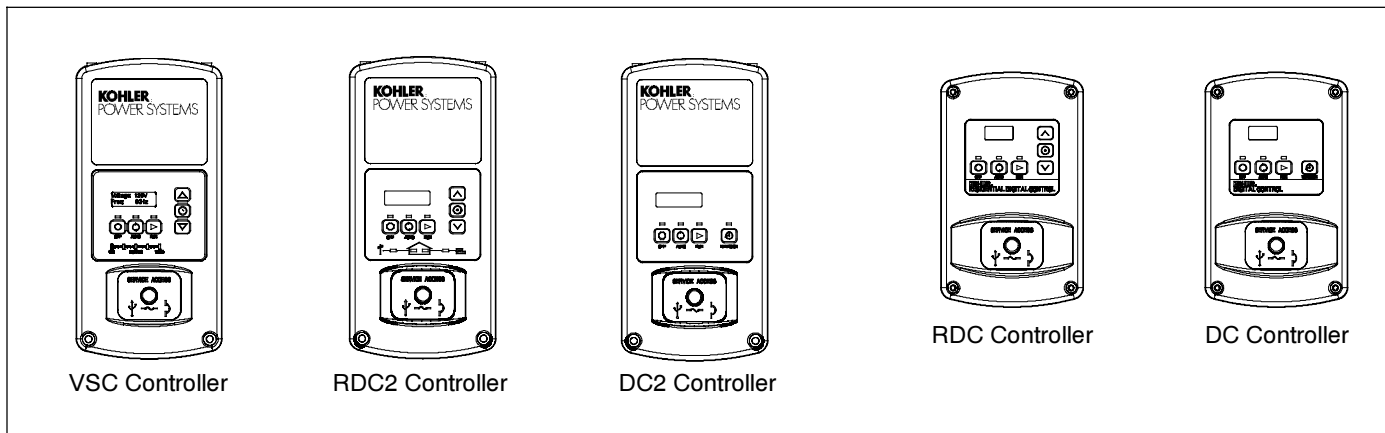
Ethernet Option Board Specifications (RDC/DC controller only)

- 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



DISTRIBUTED BY:

Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler® generator distributor for availability.

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