



SWS Hardware installation in the workshop

This wizard describes the equipment you need in order to install WCU and RB in the workshop. Here you will also find step-by-step instructions when you install the unit.

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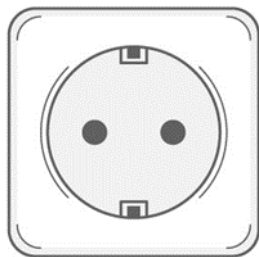
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Fixed equipment

The following equipment is necessary in the workshop:

Wall outlet

Wall power outlet, 120 V, 60 Hz or
230 V, 50 Hz



Network outlet

Ethernet network input configured
according to the SWS wizard for
workshop networks, see the link below



Ethernet network cable



QR code reader (recommended)

Smartphone, tablet PC or a barcode
reader that can read QR codes



In the distributor delivery:

WCU

WCU



Power supply cable



Remote Box



C13 power cable for WCU and RB

1 region-specific connector in the wall outlet end and C13 connector in the other.



WCU overview



WCU front

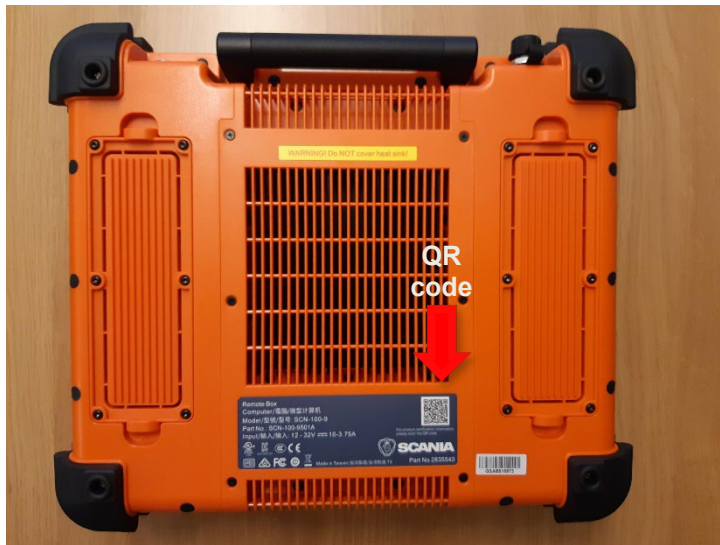


WCU back

Remote Box overview



RB back



RB back



RB top

Before getting started

- Check that you have all the equipment listed above.
- Check that the network outlet ports are open according to the network wizard: [SWS:03 Scania Workshop Suite \(SWS\) – workshop network configuration and installation wizard](#)
- Only the workshop administrator in SWS can install WCU and RB. Check that you have this role.
- Check that WCU and RB have the USB key inserted into a USB port.

Step-by-step instructions

Hardware installation according to steps 1-5 below can be carried out earlier by the IT department. As a result, the unit can initiate and update before the software installation. The workshop administrator can then proceed immediately to the QR code scanning step.

Install the hardware - WCU

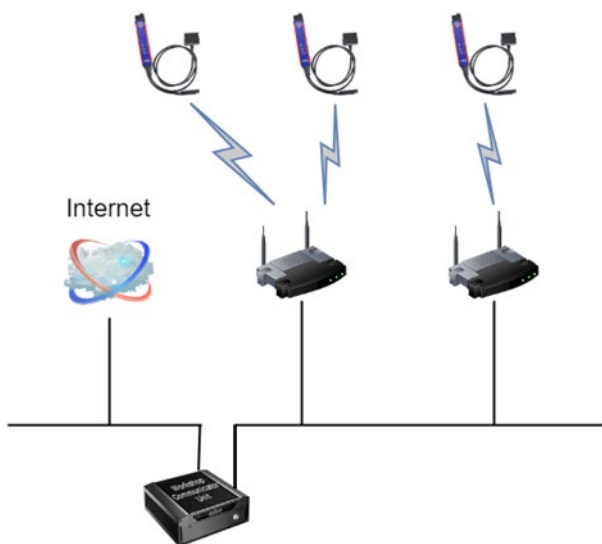
1. Check that the network infrastructure supports the available options below. For more information, please see [SWS:03 Scania Workshop Suite \(SWS\) – workshop network configuration and installation wizard](#).
2. Connect the network cable or network cables, according to your selected alternative, to the network port at the back of WCU. Connect the other end of the network cable to the network outlet.

Option 1: Physically segmented network infrastructure (alternative 1 in the image below)

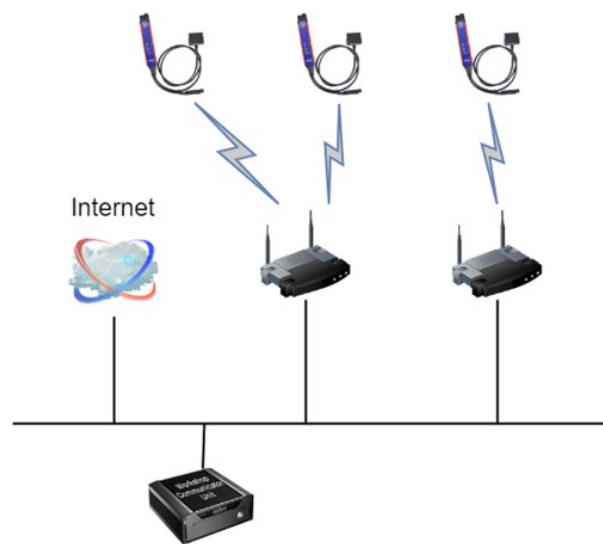
- a. Connect the Internet access network cable to port 1.
- b. Connect the network cable for the wireless access points to port 2.

Option 2: Virtually segmented network infrastructure (alternative 2 in the image below)

- c. Connect network cable to port 1.



Option 1: Physically segmented network infrastructure
(Recommended)



Option 2: Virtually segmented network infrastructure

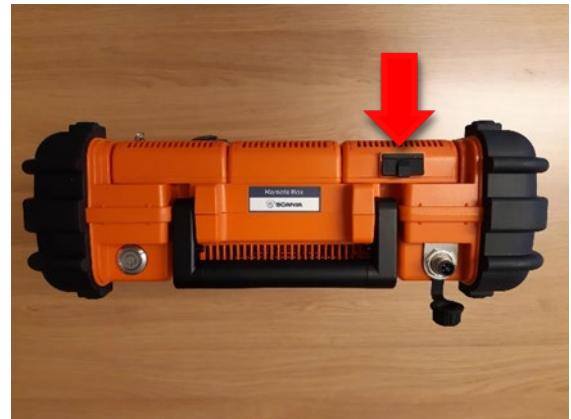
3. Connect the power cable to the wall outlet and the power supply cable to WCU. The unit should start automatically.
4. Check that the green light-emitting diode on the front of WCU is lit.
5. Wait a few minutes before scanning the QR code and continuing with the installation.

Install the hardware - RB

1. Connect the power cable to the wall outlet and the power supply cable to RB.



2. Insert a SIM card (Nano-sized)



3. Press and hold the power button until it says Booting on the display.
4. Release the button.



5. When it says Welcome Scania on the display, RB has started.



6. Wait a few minutes before scanning the QR code and continuing with the installation.

Start the installation with a QR reader

Barcode reader with USB cable

1. Connect the barcode reader to your computer via the USB port.
2. Make sure that your keyboard has been set to American English by searching for languages and keyboards in the start menu settings.
3. In the drop-down list, select American English as input language. You can add the American English keyboard if it is not already included in the list. You can switch between keyboard languages later by pressing the language text in the Windows activity field (on the right by the clock and date)
4. Open the web browser on your computer, place the cursor in the address field and scan the QR code on the front of the WCU. If the web address contains unexpected characters, the keyboard setting might be incorrect.
5. Press the return button on the keyboard to navigate to SWC and log in with your Scania login details.

QR code reader in mobile device (smartphone and tablet PC)

Some smartphones and tablet PCs have built-in QR readers in the camera app. Test if you have a built-in reader by scanning the QR code on the right.



iOS (and some Android units):

1. Open the camera app and position the unit so that the QR code on the front of the WCU is completely visible on the screen.
2. Hold the unit steady while the code is being identified. Press the notification on the screen to go to the installation page in your web browser.
3. Log in with your login details from Scania.

Android:

1. Go to the Google Play Store and install a QR reader app. Scania recommends Kaspersky QR scanner. The app is easy to use and has a free version.
2. Open the app installed in the previous step. Position the unit so that the QR code on the front of the WCU or on the back of RB is completely visible on the screen.
3. Hold the unit steady while the code is being identified. A dialogue box opens in the app where you can continue to the installation page in your web browser.
4. Log in with your login details from Scania.

Go to the installation page without a QR reader

1. Find the serial number under the QR code on the front of WCU. The serial number should start with KS.
2. Open the web browser and go to the following URL: <https://sws.scania.com/device>
3. Log in with your login details from Scania. You are re-directed to the following window:



PARAMETER MISSING

Enter serial number

KSD0275194

Confirm

4. Enter the serial number and press Confirm to go to the installation page.

Install the unit

1. Once you have logged in via a QR code or entered a serial number manually, this window will open:



THE DEVICE IS READY TO BE INSTALLED

S/N E000004



Press the button to start the installation

Install the unit

Install the device in another workshop

2. Install the unit in your workshop where you are the workshop administrator by pressing the Install device button. If you are the workshop administrator in several workshops, you will get a list of workshops. Select the workshop in which you wish to install the device.
3. Monitor the process until the installation of the device is successful.



INSTALLATION IN PROGRESS...

S/N E000005

The installation may take a few minutes to complete.





4. WCU and RB are now ready for use.



INSTALLATION COMPLETED

S/N KSD0275184

Device ID wcu-dev00000262



The unit is **Connected**

The device has been installed in Test Workshop 1 (Södertälje/SE)

NOTE: Register your devices, WCU, RB, VC11 and USB key here:

https://til.scania.com/common/mail_form.html



Verify that WCU and RB are correctly installed

To be able to complete this check, WCU and RB should be connected.

1. Check that the power cables are connected and that the network or LTE communication is available. Start the device by pressing the power button.
2. Check that you have access to the local network in order to get the WCU and RB IP address.
3. Enter the IP address of the WCU and RB of the workshop.
4. Open a web browser and add one tab for each device.
5. Enter or paste this URL: http://{WCU_Local_IP}:8284 in the address field. The web browser shows the status of services and networks.
6. Replace the text WCU_Local:IP with the IP address.
7. Once everything has been installed correctly, the website should show the status according to the images below.

The screenshot shows a web browser window with the address bar set to <http://localhost:8284/>. The page title is "WCU Status". Below the title, it shows "Last Update: 2023-11-23 12:51:06" and a link for "Raw Status (json)".

Device Information

| Key | Value |
|-------------------------------|-----------------|
| System Serial Number | KSD0275138 |
| BitLocker Status | Encrypted |
| BitLocker Encryption Progress | Fully encrypted |

Services

| Key | Value |
|--------------------------|-------|
| mpssvc | Ok |
| SecurityHealthService | Ok |
| ScaniaDeviceBootstrapper | Ok |
| puppet | Ok |
| pxp-agent | Ok |
| datadogagent | Ok |
| hasplms | Ok |
| KvEnumSrv | Ok |
| KvWiFiPairingSrv | Ok |
| Scania.WCU | Ok |

Network

| Key | Value |
|---|-------|
| https://device-provisioner.sws-prod.prod.aws.scania.com:123 | Ok |
| https://device-provisioner.sws-prod.prod.aws.scania.com:443 | Ok |
| https://device-provisioner.sws-prod.prod.aws.scania.com:80 | Ok |
| https://device-provisioner.sws-prod.prod.aws.scania.com:8883 | Ok |

USB-key

| Key | Value |
|--------------------------|-----------|
| USB-key installed status | Installed |
| USB-key serial number | 217715491 |



Cloud Status

```
{
  "status": "Adopted",
  "country": "HR",
  "deviceId": "wcu-00000000398",
  "serialNumber": "K9D0275138",
  "workshopId": "032539aa-a543-43bd-a424-16914af23019",
  "lastUpdated": "2021-10-12T10:09:27+00:00",
  "lastHeartbeat": "2023-11-23T12:11:01+00:00",
  "isOnline": true,
  "hasUsbKey": true,
  "usbKeySerialNumber": "217715491",
  "hasError": false,
  "errors": []
}
```

WCLS Status

```
{
  "StatusOk": true,
  "UpdateLoopExpire": 1700741526482,
  "ScannerRunning": true,
  "MqttConnected": true,
  "HasUsbKey": true
}
```

Troubleshooting

The power or the network connection has been interrupted during the installation.

Voltage or network outage is not usually a problem and the device should be able to recover from it. Once the unit has been connected, wait a few minutes until the installation is ready. Please contact customer support if WCU does not finish the installation after several hours have passed. The installation time can be affected by network speed, how long the unit has been disconnected from the network and the number of updates available to install.

The SWS installation page was closed by mistake

Go to the installation page according to the instructions above under the heading "Go to the installation page with or without QR code". The function of the installation page is to start the installation and monitor the process. The installation continues even if the installation page is closed provided that you have already pressed the Install device button.

I get an error message that my account has not been configured

Please contact your network administrator to configure your workshop as an SWS workshop and define a workshop administrator.