LYNK&CO

Diagnostic System

System requirements

Contents

1 Introduction 2

2 LCDS hardware requirements 3

2.1 Recommended specifications for LCDS workstations 3

3 Vehicle connectivity requirements 5

3.1 Required components 5

4 Configuration specifications 6

4.1 Microsoft Windows user account 6

1 Introduction

This document describes the technical specifications and standards that workshop IT infrastructure must meet in order to run the Lynk & Co Diagnostic System (LCDS).

2 LCDS hardware requirements

The following infrastructure components are required in order to install and run LCDS:

- One or more workstations running Windows 10 Professional (64 bit).
- An Internet connection that is available at all times when using LCDS. The internet connection is used for the communication between the LCDS workstation(s) and the LCDS central servers.

In addition, network storage of 500 GB is recommended for optional improved performance.

2.1 Recommended specifications for LCDS workstations

LCDS is delivered as a desktop application but an installation package must be installed on the computer in order to receive the necessary software components.

The table below shows the minimum requirements for running LCDS:

Item	Minimum required specifications	
Processor	Intel Core i5 or equivalent[1]	
Memory	8 GB[2]	
Hard drive	500 GB	
Local free disc space	10 GB[3]	
Connections	2 x USB 2.0 or higher[4]	
Operating systems	Windows 10 Professional (64 bit) [5]	
Browser	Microsoft Edge (release 88.0.705.50 or greater)	
File system	NTFS	
Ethernet port	One Ethernet port or network interface card	
Internet connection (internal)	100 Mbit/s[6]	
Bandwidth	5 Mbit/s download[7] - 1 Mbit/s upload[7]	
Display resolution	Aspect ratio	Minimum resolution
	16:9[8]	1920 x 1080
	16:9[8]	1680 x 945

[1] Processor names change frequently. This is an example of what to use.
[2] Ideally with the possibility of increasing the memory.
[3] This is the disc space that should be available before LCDS is installed. The recommendation is based on the likely increase in disc space used over three years. If you have other applications, allow extra space for these according to their requirements.
[4] Additional USB outlets may be needed for other equipment, such as mouse and keyboard.
[5] Windows Update must be enabled and all available updates from Microsoft need to be installed.
[6] An internet connection must be available at all workshops and is used for communication between the LCDS workstations and the LCDS central servers. This is the mandatory minimum internal network capacity.

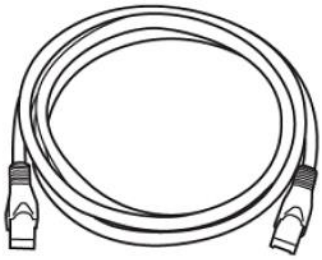
[7] This is the mandatory minimum bandwidth for acceptable performance, but the larger the bandwidth, the better LCDS will work.
[8] The application is optimized for wide screen format. However, the application design is “fluid”, so that it stretches to completely occupy the available screen space. This makes it possible to use smaller screens, but bear in mind that on small screens it can be difficult to read wiring diagrams and other features that contain a lot of information.

3 Vehicle connectivity requirements

Vehicles are connected directly to a LCDS workstation with a standard Ethernet cable, using network connectors for a peer-to-peer connection for diagnostics and software download.

3.1 Required components

- An Ethernet network input for each LCDS workstation. It can either be a PCI network card or a USB Ethernet adapter.
- An Ethernet cable of type CAT5, CAT5e or CAT6.



- An OBD to Ethernet adapter approved by Lynk & Co.
- An Ethernet cable tester.
- A USB Ethernet adapter for internet connection when a peer-to-peer connected vehicle occupies the LCDS workstation's Ethernet port.

4 Configuration specifications

4.1 Microsoft Windows user account

In order to install LCDS, the Microsoft Windows user account on the workstation has to be set to Administrator.

Note! It is not possible to run LCDS while logged in to the operating system with a guest account. Try to avoid having a domain policy that will override the normal rights for the supported user accounts.
Some restrictions may make LCDS stop working. A user must have the right to change the registry since LCDS requires this, such as when adding a communication tool. It is strongly recommended that all LCDS users log in as administrators with full admin rights.