



User Guide

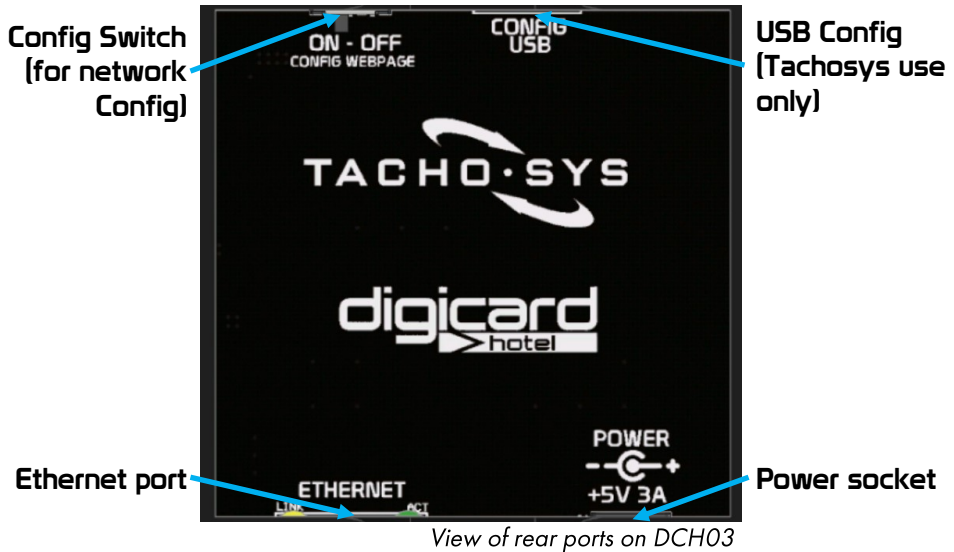


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digiCard Hotel (DCH03) Physical Installation

Initial Set up of digicard Hotel (DCH03)



Plug in the device using the supplied power supply. Use of any other power supply **will invalidate any warranty you may have.**

You will see activation lights on the front of the device before it attempts to connect to a network.

Connect your digicard Hotel (DCH03) to a network

To connect your digicard Hotel (DCH03) to a network you will need to enable configuration and visit the config web page.

1. On the rear of the device, flick the 'Config Webpage' switch to config mode 'ON'. You can tell if the device is in config mode as the card slot lights on the front of the device will flash white in a random pattern.
2. Turning on the config webpage creates an internal network. You need to connect to this network using a WiFi enabled device (such as a laptop or smartphone).
3. In WiFi settings on your smartphone or laptop connect to the internal network (when searching for it, it should be titled DCH_XXXXXXX). You may need to confirm you want to continue on a network that is not connected to the internet.

digicard Hotel (DCH03) Physical Installation

15:28 100% 75%

TACHO·SYS
digicard
HOTEL

Device Information

Name DCH_37999900

MAC 68:D9:25:43:D5:1C

Connection Type

Ethernet

Network Configuration

DHCP

Save & Restart

4. Once connected to the DCH network, open a browser and type **192.168.4.1** into the address bar. This will open the digicard Hotel network config options (see image).
5. The Name and MAC fields are not configurable.
6. Select whether you wish to connect the DCH03 via Ethernet or WiFi (the default will be ethernet).
7. For WiFi settings you will need to enter the SSID and password for the relevant network.
8. You can then choose your network configuration to be DHCP or Static.
9. For Static IP addresses you will need to enter information for the IP, Gateway, Net Mask, DNS 1 and DNS 2.

DCH03 Config Webpage

10. Once you have correctly configured the network settings for the digicard Hotel, click "Save & Restart". This will prompt you to flick the Config switch on the rear of the device to 'OFF' - when you do this, the device will restart.
11. If you have correctly entered the network details the device should successfully connect to the network (indicated by a blue LED on the right of the device by the network symbol).

Lights on front of digicard Hotel



Power: Solid Green indicates power.



Connection Status: Blue indicates good connection. It flashes red when the device is not connected to a network.



Activity - Flickers **Red** for when it detects activity in card slots.

Once physical installation of at least one digicard Hotel has been completed you should then download the digicard Resort software.

DigiCard Resort Windows® Software v1.03 onwards

Minimum Recommended PC Specification:

> Operating System: Windows 7 / 8 / 8.1 / 10 / 11

Installing digiCard Resort:

1. Download the latest version of digiCard Resort from www.tachosys.com/Product/digicardHotel.
2. You will receive a welcome message, simply click 'Next'.
3. Read the terms of the Licence Agreement then click on the 'I accept the terms in the Licence agreement' option and then click 'Next'. If you do not accept the terms the installation will be terminated.
4. Choose the folder where you wish the software program files to be installed. The default folder is the standard location for Windows® programs. Click 'Next'.
5. Click 'Install' to begin the installation. This may take several minutes.
6. Finally leave the box labelled 'Launch digiCard Resort' ticked and click 'Finish'.
7. If you want to launch digiCard Resort straight away, tick the box to 'Launch digiCard Resort'.

Launching digicard Resort

Once **digicard Resort** has been launched, you will be taken to the **digicard Resort** main page (see below)



digicard Resort is customisable by using Layouts. Layouts enable you to have different displays (i.e. numerous digiCard Hotels displayed in various formats).

You can rename any layouts you create by clicking the pencil next to the layout on the left hand menu (see above). The default will simply say 'Layout 1' etc.

You will need to add any digiCard Hotels you wish to see on that layout (see pages 8-10).

Adding a digiCard Hotel to digiCard Resort

Adding a digiCard Hotel to digiCard Resort

Select the Layout where you wish to add the digiCard Hotel
Click the '+' icon on the top right of the screen.



The 'Add Hotel' form should appear (see below) which will show any digiCard Hotel's that are connected to the Local Area Network (LAN) via LAN cable or WiFi. For more complicated networks, contact your IT team.

Add Hotel to Layout diagram

digiCard Resort needs to be able to identify the hotels by their IP address.

This requires that the hotel is given a fixed IP address by either using a DHCP reservation or a static IP on the network.

If a hotel does not appear in the below list, you can use the Search box below.

IP Address:	<input type="text" value=" . . ."/>	<input type="button" value="Search"/>		
IP Address	Serial number	MAC Address	Version	Password protected
192.168.186.74	37990001		1.00	Yes

Hidden digiCard Hotel's

If the 'Hide Hotels already placed in a layout diagram' option remains ticked (see below), any digiCard Hotels which have already been added to any Layout will be hidden. To view all digiCard Hotels, even those already on the layout, simply untick that dialogue box.

To add a digiCard Hotel to a layout, simply select the digiCard Hotel

<input checked="" type="checkbox"/> Hide Hotels already placed in a layout diagram	<input type="button" value="Add"/>	<input type="button" value="Cancel"/>
--	------------------------------------	---------------------------------------

entry and click 'Add'. A virtual representation of that digiCard Hotel will then be added to that Layout diagram.

If a digiCard Hotel is added on multiple layouts you will be warned of this and asked to confirm.

Searching for a digiCard Hotel

Adding a digicard Hotel to digicard Resort

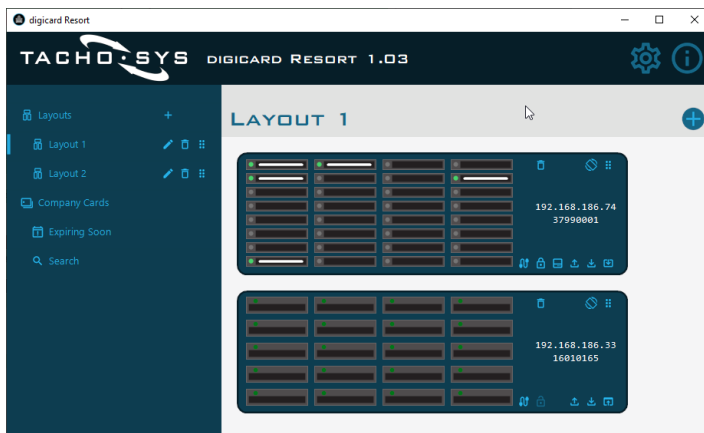
If you have multiple or non-discoverable digicard Hotels accessing your network, you may need to search for a specific device.

IP Address:

This can be done by searching for a specific IP Address using the search bar. If you don't know the IP address of the digicard Hotel, contact your IT team.

If you still cannot find the digicard Hotel you are searching for, contact your IT team as this may mean you have a more complicated network system which may block digicard Hotel's from being seen.

Once you have added the digicard Hotels you require, the layout screen should look similar to the below image.



Password Protected digiCard Hotels

As you may notice in the 'Add Hotel to Layout diagram' form on page 8, some digicard Hotels are password protected.

If a device is password protected, after adding it to a layout you will notice a red padlock symbol on the virtual representation of that device (see above).



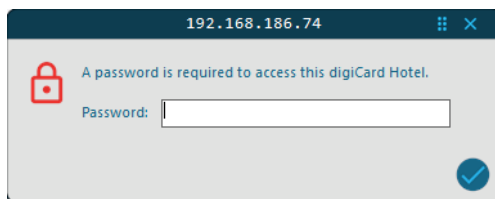
Adding a digicard Hotel to digicard Resort

To unlock that device, click the red padlock and this will enable you to enter the device password.

Where the password for the digiCard Hotel is found depends on the version.

For the 32 slot DCH03, the password is located on a printed white label which should be taped to the device upon delivery. If you are unable to locate the password for a digiCard Hotel, [please contact the Tachosys support team](#).

For the 20 slot DCH02, the password is manually set on the DCH02 configuration web interface (see page 23 for information).



Once the password has been entered (and there are no other issues), **digicard Resort** will display the virtual digiCard Hotel on the layout screen (see below for 32 slot DCH03 version).



32 slot digicard Hotel(DCH03)

Virtual digicard Hotel Options

Virtual digicard Hotel Options

Depending which version of digicard Hotel you have will depend on the options available to you:



Delete: This will delete the virtual digicard Hotel from that layout.



Rotate: This will rotate virtual digicard Hotel (helpful if the device has been installed portrait).



Drag: Click and drag the virtual digicard Hotel to customise its placement in the layout.



Connectivity: This shows connection details, IP address, MAC address and firmware version (*not customisable*).



digicard Hotel password – Displayed on the product box label, must be entered here to be able to connect and configure (see pages 10 & 23).



digicentral server hostname/IP list (**DCH03 only**): Enter hostnames/IP addresses for up to 8 different digiCentral servers. Instead of entering the server individually for each slot as in DCH02, you now can simply enter the address(es) here. These will be added to a drop down menu when configuring a slot. See page 20 for information on how to enter the server details on DCH02.



Export & Import: This allows you to export & import the digicard Hotel configuration settings. This may be useful if a digicard Hotel needs to be returned for repair and you want to transfer the settings onto a replacement device.



digicard Resort uses a JSON file format (unlike the DCH02 web interface which uses .txt file format).

Virtual digicard Hotel Options



Update digiCard Hotel firmware (DCH03 only): If the icon is yellow, this indicates a firmware upgrade is available for that digicard Hotel. If you click the icon this should begin to upgrade automatically.

If the icon is blue you are running the latest firmware, however you can downgrade to a previous version by clicking the icon and selecting the relevant firmware file.

To update the firmware of DCH02 you need to visit the digiCard Hotel web interface (see page 24 for more details).



Configuration (DCH02 only) - This option is only available on the DCH02. Clicking this icon takes you to the digiCard Hotel web interface which allows configuration of the digicard Hotel (see pages 18-24 for more details). Access to the web interface may or may not be password protected.

Card Slot Configuration

Each card slot is configurable and can be connected with a different server. To configure each slot simply click it. This will open the below form.

192.168.186.74 - 25

Company name: PROSYS DEV LIMITED

Card number: [masked]

Expiry date: [masked]

Account ID: PROSYSDE00

Key: [masked]

Server address: dcweb.prosysdev.com

Description: Prosys LIVE card

Company Card: (*not configurable*) shows the company name associated with the company card inserted into that slot.

Card Number: (*not configurable*) shows the company card number of the card inserted into that slot.

Expiry Date: (*not configurable*) shows the expiry date of the company card inserted into that slot.


All information above the line (company card, card number and expiry date) is automatically populated when the digicard Hotel reads the company card in that slot.

Account ID: This is the account that you log into on the digicentral server.

Key: This is a unique key associated with a company card. You get this from the Company Cards section on digicentral and is generated upon company card registration.

Server Address: This is the hostname or IP address of the digicentral server. For DCH03 use the drop down menu to select which server to

Configuration of Card Slots

connect that card reader to. To add to or change the server options in the drop down list click the  icon and see page 11.

For DCH02 you can enter the server address free-form.

Description: You can enter any string into the description field. This is used to help you more easily identify the details for this slot.

Once all the information in the customisable fields is correct, simply press the tick.



Manually Delete Company Card Information from a Card Slot

The delete icon at the top will remove any company card information on the form. This will be repopulated as soon as the company card is next inserted into the slot. This function is used when a card is removed from a slot - the details need manually deleting to ensure no two slots have the same company card information.

The delete icon at the bottom of the form will remove all account, server and description information.

Gen 1 Company Cards (while still in circulation)

In DCH03, if the card slot light is green and the card is present but fields are not populated it is possible that the company card is Gen 1 card and can't pull the company card data.

The older version of the digiCard Hotel (DCH02) should read Gen 1 card details after successful authentication.

Card Slot LED's

Understanding the card slot LEDs

Each active slot will have a light associated with it which mirrors the LED on the physical device.

The colour and whether it is a steady or flashing light will indicate the status of that card slot. See below for a table of what each LED colour means:

LED Colour	Steady	Slow Flash	Fast Flash
Green	Connected and fully configured		Activity (authenticating)
Amber		No card present but slot configured	
Blue		Error connecting to a server	
Red		Card slot not responding (contact Tachosys)	
White	Not on virtual digicard Hotel but if the device is selected on virtual device, the LED on the physical machine will flash white to identify the associated card slot		If various LEDS are fast flashing in a random pattern - the DCH03 is switched to config mode.

digicard Resort Settings

digicard Resort Settings

digicard Resort has it's own Configuration settings. Simply click the cog icon (right) on the top right of the window.



Arrange Grid: This allows you to set whether the virtual digicard hotels are positioned based on a customisable grid size.



digicard Hotel Refresh: A configurable time (in seconds) after which the digicard hotels will refresh their status.



digicard Hotel LED's: If a card slot is still flashing after it has been configured, click the refresh symbol here to clear all config lights.



Layout Configuration Copy: Your layout is specific to that PC. This option allows you to copy the layout you are currently in and upload it to another PC's layout. This is particularly useful if you have a number of digicard Hotels and require the same **digicard Resort** setup on various PC's



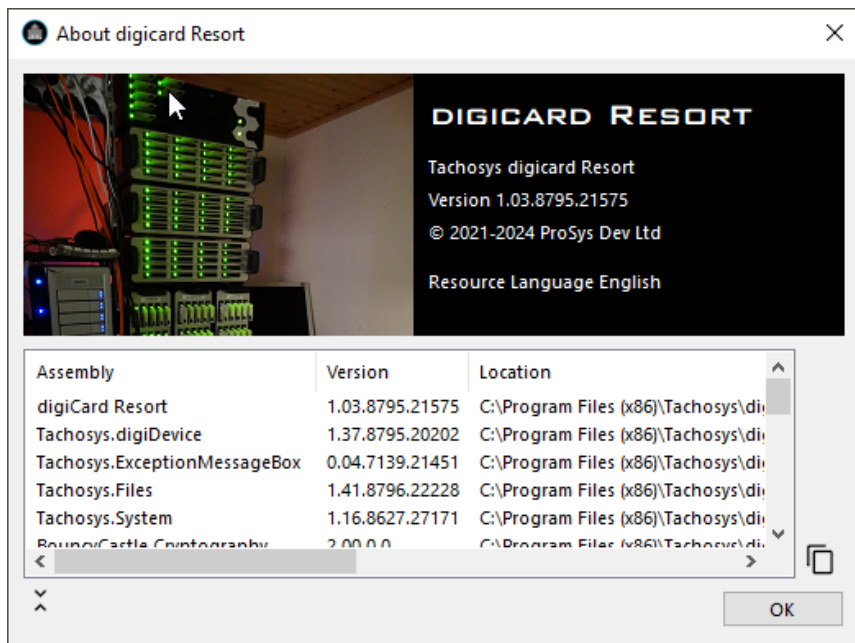
digicard Resort Update Status: This will tell you if and when an update is available (as well as a pop up on opening **digicard Resort**).

digicard Resort Information

digicard Resort About Information

Clicking the information icon (right) on the top right of the window will show the version of **digicard Resort** software.

There is an option which brings up copyable data for support purposes.



digicard Hotel V.2 (DCH02) Settings

digicard Hotel v2 Settings (DCH02 - 20 Slot)

DCH02 is configured via its own web interface (unlike DCH03 which is configured through **digicard Resort**). You can access the web interface from any PC on the same network.

DCH02 can only be used with digicard Resort if it is running firmware version 1.65 or higher (see page 24 for how to upgrade firmware).

Web Interface for DCH02 Configuration



To access the web interface open **digicard Resort** and click on the icon (shown left) on the virtual DCH02. This will take you through to the web interface.

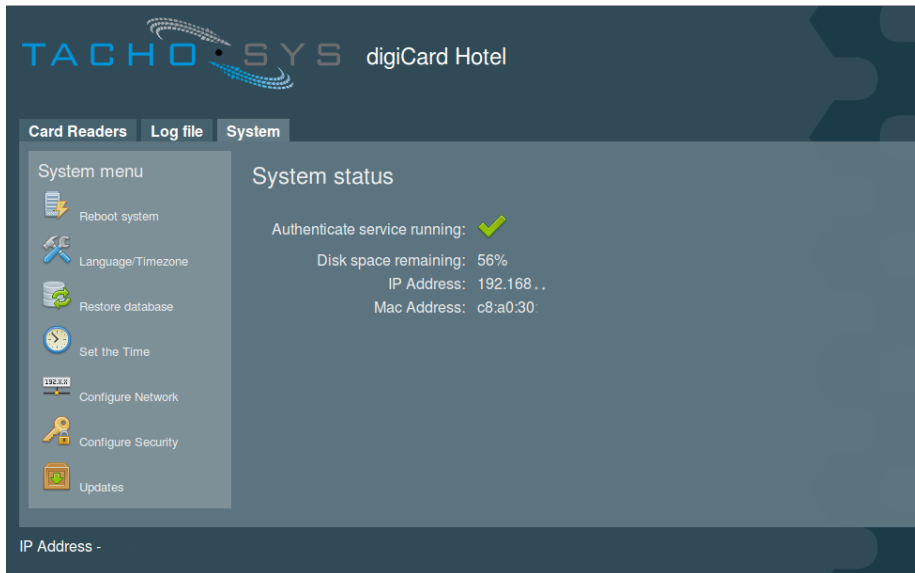
Once the web interface is loaded you may be prompted for a username and password. If you do not know these details, contact your IT team. Alternatively, if you assigned a static IP address, you simply need to open an internet browser and enter the IP address in the address bar.

If you cannot locate your digicard Hotel (DCH02) or do not know its IP address, contact your IT team.

digicard Hotel V.2 (DCH02) Settings

digicard Hotel version 2 (DCH02) Web Interface

Once logged into the web interface you will see the below screen. There are three tabs:



Card Readers: View and manage the company card details allocated to each car reader (these options are available in **digicard Resort**).

Log file: Displays the authentication system log. This is useful for debugging issues.

System: System information and additional configuration options.

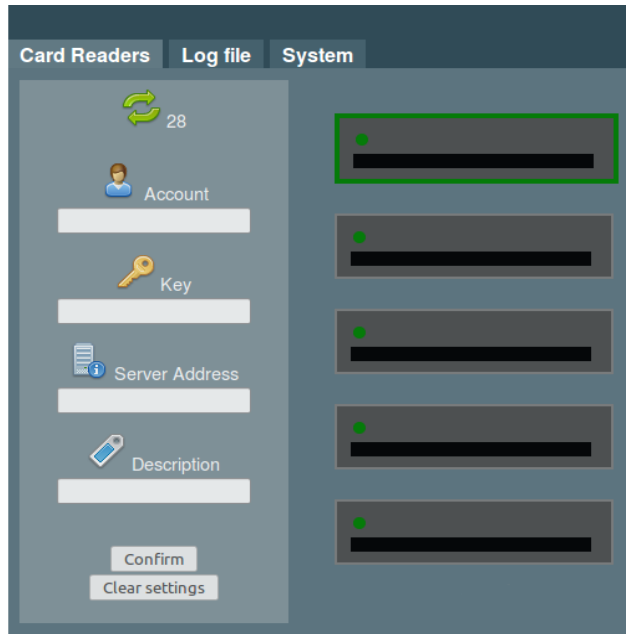
digiCard Hotel V.2 (DCH02) Settings




Card Readers Tab

You can add and edit company cards in the card readers tab. This is an alternative to using **digicard Resort**.

Click on the card reader you would like to configure. At this point the reader will be highlighted green and you will see the

company card fields appear on the left. The LED on the physical card reader in the digicard Hotel (DCH02) will begin to flash.



-  **Account:** this is the account that you log in to on the digicentral server
-  **Company card key:** you can get this from the Company Cards section on the digicentral server and is generated when you register the company card.
- Server Address:** this is the hostname or IP address of the digicentral server. For example; dcweb.tachosys.com
-  **Description:** an optional description to give this company card.

Once you have completed the above fields, click Confirm to save the settings. You should then receive a confirmation message indicating that the settings have been saved. Click Close to continue.

digiCard Hotel V.2 (DCH02) Settings

For editing a card readers settings, the procedure is exactly the same, however the current settings will appear in the form.

Once you have added or edited the card reader's settings, please allow 30 seconds for the system to re-configure the reader and connect to the digiCentral server.

Once a card has been used in authentication, the company information and expiry date will be shown when you hover over the reader and when you select the reader.

System Tab (DCH02 System Configuration)

Here's a list of the options on this tab and a synopsis of their function:

Reboot system: performs a system reboot.

Language/Timezone: configure system language and timezone settings.

Restore database: wipes all current company card information and settings. See Troubleshooting for more information.

Set the time: configure the system clock.

Configure Network: view and edit the digicard Hotel's network settings.

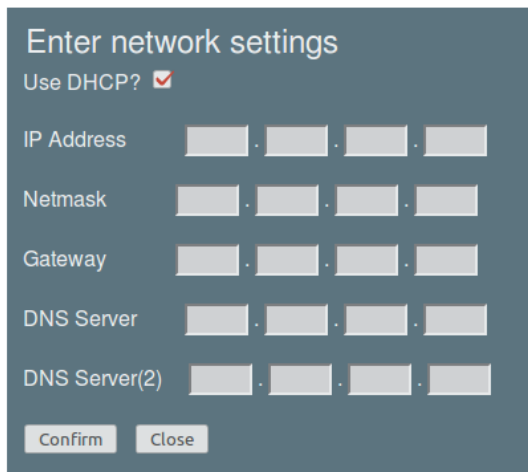
Configure Security: enable or disable authentication for the web interface.

Updates: check to see if any firmware updates are available.

digiCard Hotel V.2 (DCH02) Settings

Network Configuration

By default, the 20 slot digicard Hotel version 2 (DCH02) will use DHCP to try and automatically receive its network settings. If you would like to manually allocate a static IP address from the web interface, select Configure Network from the system menu.



Enter network settings

Use DHCP? ☒

IP Address . . .

Netmask . . .

Gateway . . .

DNS Server . . .

DNS Server(2) . . .

Checking the “Use DHCP” box will enable or disable DHCP. Unticking the box will allow you to enter the IP Address, Netmask and Gateway as well as a DNS server and optional second DNS server. Each box must be completed, even if the value is 0 (zero). For example, 255.255.255.0 as a netmask must be entered as 255 255 255 0.

Once you have entered the new configuration, click Confirm to save the settings or Close to cancel.

The digicard Hotel will then apply the settings and, if successful, the system will reboot. The page will wait 60 seconds and then reload the web interface using the new network details.

If unsuccessful, any errors generated by the new settings will be shown and you can return to make any changes.

Security Configuration

The web interface for the digicard Hotel can be secured with a password so that only the administrator can access it. In **digicard Resort** this is where you set the password which enables you to access a virtual DCH02 (see page 10).

By default, the password protection for the web interface is not enabled.

1. To enable it, select Configure Security from the main menu.
2. Tick the "Require access" box and then enter the desired password in both password fields.
3. Click confirm to save the changes or Close to cancel.

After a reboot, your security settings will be applied. When you are prompted for the username and password, the username is "admin" and the password will be your chosen password.

Repeating this process but unticking the box will disable the password requirement.

Updates

The DCH02 is capable of updating its own firmware. The easiest way to do this is to select Updates from the system menu.

The following page will check with the central update server if there are any updates available. If so, you will be shown the latest version number and given a link saying "Click here to update". The update package will then be downloaded from the server and applied. The web interface will update automatically with the progress of the update process. Upon completion, the DCH02 will reboot.












If there are no updates available, click the Close button to go back to the main System menu.



Other Tachosys Products



Product Functionality Overview

	Summary	Driver Card	Vehicle Unit	Built-In Analysis	Connectivity
	digitabpro Instant driver card and vehicle unit download with comprehensive on-screen analysis giving everything you need for tachograph compliance.	✓	✓	✓	<ul style="list-style-type: none"> Wi-Fi Bluetooth USB Cable
	digitab Provides a clear and logical display of driver card data and can download when connected to PC.	✓	✗	✓	<ul style="list-style-type: none"> USB Cable
	digivu Fastest and simplest tachograph download key. Also downloads driver card in tachograph at time of download.	✓	✓	✗	<ul style="list-style-type: none"> USB adapter
	digivu+ A driver card reader to combine with either the digivu or digitabu.	✓	✓	✗	<ul style="list-style-type: none"> Connects to digivu & digitabu
	digitabu Provides download functionality and real-time tachograph data to android phone or tablet using Bluetooth.	✓	✓	✗	<ul style="list-style-type: none"> Bluetooth
	Remote Download Automates vehicle unit and driver card remote download with real-time data feed for driver decision support.	✓	✓	✗	<ul style="list-style-type: none"> 4G Wi-Fi Bluetooth
	digipastro Perfect depot solution for driver card and vehicle unit upload to tachograph analysis provider. Includes digivu for tachograph download.	✓	✓	✓	<ul style="list-style-type: none"> 4G Wi-Fi LAN
	tachograph file viewer A USB dongle containing a software licence to view tachograph vehicle unit and driver card files				<ul style="list-style-type: none"> USB dongle
	digicard Read and download driver cards or host a company card				<ul style="list-style-type: none"> USB Cable
	digicard+ Dedicated wi-fi company card host for remote download				<ul style="list-style-type: none"> Wi-Fi
	digicard+ Host up to 32 company cards per device				<ul style="list-style-type: none"> LAN

digiDL^H

TACHOGRAPH

REMOTE DOWNLOAD

The digiDL-H builds on the reputation of its predecessor to offer comprehensive tachograph remote download with driver decision support (DDS); giving real-time drivers' hours data to help manage your drivers and business.

The hub (H) creates numerous possibilities to collect data from additional devices and sensors around the vehicle.



digiDL^{HX}



ALL-IN-ONE TELEMATICS

The digiDL-HX is our all-in-one telematics solution that combines intelligent GPS vehicle tracking and comprehensive FMS data with our renowned tachograph remote download knowledge.

- GPS** Real-time location data for intelligent vehicle tracking and route planning.
- RD** Tachograph remote download of vehicle and driver card files as well as live DDS data.
- FMS** FMS data available on a vehicle's CAN bus. (Fuel level, harsh braking / acceleration, odometer, idling, engine temperature and more).



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