



Manual

Gateway 1745

266.01A

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1. What's new

Version	Chapter	Change
01.A	• General	• Manual for GW1745 created. Section in Reference Manual removed.

2. Installation

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2.1 Introduction

Gateway 1745 manages all the Qmatic hardware at the Branch and communicates with the central/distributed Queue Agent.

When there are no Qmatic 1745 devices in Branches, the Gateway 1745 software can be installed on the central server.

This document describes how to install Gateway 1745.

2.2 Install Gateway 1745 on Windows

1. Copy the files in the gw1745_* zip file to a suitable directory, for example: C:\QMATIC\Gateway1745.
2. For each instance of the Gateway 1745 that should run on the branch, install a service by executing installGWService.bat. The batch file will create a sub folder for each service named <branchPrefix>_<UnitId> (for example GBG_GW1745) and create a gw1745.cfg file in the folder that the service will use.
3. InstallGWService.bat will prompt for some parameters, see “2.3.1 Configuration parameters” on page 6.
4. Installation done!
5. Restart the machine (or start the services, using the Services explorer, see below). The GW1745 should start and keep running.

The status of the GW1745 service can be checked by using the Services explorer:

start/run/services.msc

On the displayed list, all services running on the machine will be listed with their Service name.

2.3 Install Gateway 1745 on Linux

This section describes how to install Gateway 1745 on Linux.

1. Transfer the gw1745-linux-<version>.tgz file to the server where you want to install the application, preferably to a tmp directory. Unpack it and change into the folder that was contained in the tar archive. E.g. `tar zxvf gw1745-linux-<version>.tgz` `cd gw1745-<version>`

Be sure to use a user with superuser rights.

2. Create qmatic user, if it does not already exist.

```
sudo adduser qmatic
```

3. Add the qmatic user to the dialout group (needed for access of com port for 1745 communication, if no 1745 devices are used then this step can be skipped).

```
sudo usermod -a -G dialout qmatic
```

4. Create gw1745 directory

```
sudo mkdir -p /opt/qmatic/gw1745
```

5. Grant rights for gw1745 directory to qmatic user

```
sudo chown -R qmatic:qmatic /opt/qmatic/gw1745
```

6. Switch to qmatic user

```
sudo su - qmatic
```

7. Change into directory with the unpacked gw1745 and copy files to installation folder

```
cp -r * /opt/qmatic/gw1745
```

8. Switch to user with superuser rights

```
exit
```

```
cd /opt/qmatic/gw1745/
```

9. Install libqwebsockets by running install_lib.sh

```
sudo ./install_lib.sh
```

10. Create service scripts for the needed gw1745 processes by running the following script multiple times (one time for every gw1745 process needed)

```
sudo ./create_startup_script.sh
```

You will be asked to set some parameters. See “2.3.1 Configuration parameters” on page 6.

11. The above script will create scripts in /etc/systemd/service named gw1745_<BranchPrefix>_<UnitId>

12. You can start the daemon now or it will be started after next reboot automatically.

```
sudo systemctl start gw1745_<BranchPrefix>_<UnitId>
```

Stop the daemon with:

```
sudo systemctl stop gw1745_<BranchPrefix>_<UnitId>
```

The above script will also create a directory for each gw1745 daemon: `/opt/qmatic/gw1745/<BranchPrefix>_<unitId>` that contains configuration file and log files.

2.3.1 Configuration parameters

Parameter	Description
Branch Prefix	Should be the same as branch prefix in the Orchestra branch administration GUI, as seen below:
Unit id	Unit id of the Gateway.
Queue Agent ip address	Ip address or hostname of the Queue Agent server.
Queue Agent device server websocket port	Configured in <i>agent.conf</i> for the Queue Agent, parameter <i>device.deviceController.websocket.port</i> .
Com port	For example COM1, COM2, or NONE, if no 1745 equipment is used.
Event port	The UDP port TP printers will use to communicate with gw1745. Must be unique for each 1745, if several gw1745 run on the same machine.
SSL	Encrypted connection or not. 0=no ssl, 1=ssl, 2=ssl and allow self-signed certs
trustedCACert-Path	Path to trusted CA cert file, e.g. <code>c:/ssl/certs/ca-bundle.crt</code> . Default will use system trust store.



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