

# Ethernet Control

Dear business partners,

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## 1. Remote control of DUPLEX units with RD5 control system

DUPLEX ventilation units (hereinafter referred to as DUPLEX HVAC units) with the RD5 control system have a web interface control facility.

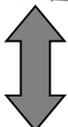
The way of accessing the built-in web server of DUPLEX HVAC units depends on the kind of network topology in place.

### 1.1 Direct connection between DUPLEX HVAC unit and PC

Situation: A DUPLEX HVAC unit is directly connected to a PC without using any network device.



Some old-type network cards (PCs, laptop computers) support direct connection only via a “crossed” Ethernet interface cable (PCs, laptop computers, network devices with a speed of 1Gbit/s do not require the crossed cable).

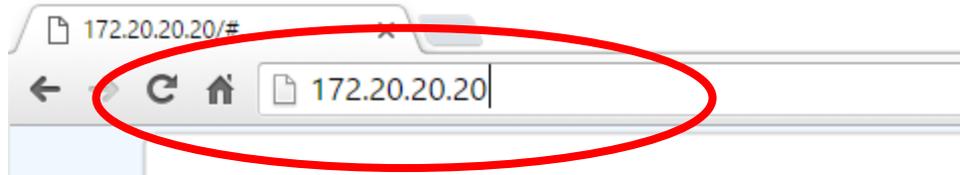


Both devices (the DUPLEX HVAC unit and PC) must have a static IP address. The IP address of DUPLEX HVAC units is set to 172.20.20.20. It can be changed using the CP Touch controller or from the website after connecting to a PC.

Each device (the DUPLEX HVAC unit and PC) must have a different IP address within the same network range. If the initial address of a DUPLEX HVAC unit is 172.20.20.20, the PC address must be set to e.g. 172.20.20.30.

In order to communicate with the unit, do the following:

- 1) Open an Internet browser (IE Explorer, Firefox, Opera etc.) on the PC connected to the unit.
- 2) Type the IP address of the DUPLEX HVAC unit directly in the URL bar, e.g. 172.20.20.20, unless the default IP was changed.

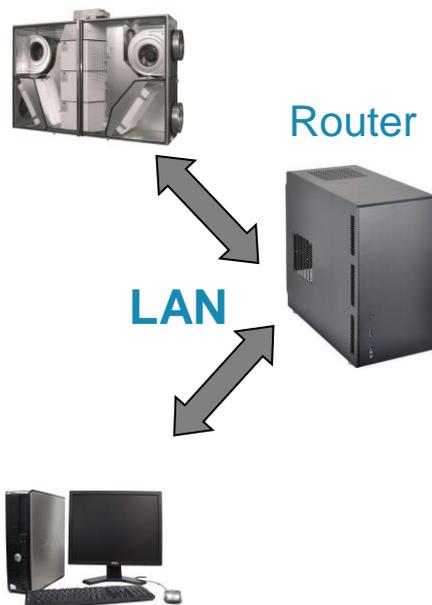


- 3) A password editing box subsequently appears (the default password is "pass").



## 1.2 DUPLEX HVAC unit and PC in a single local network

Situation: A DUPLEX HVAC unit and a PC are connected within a single local network.



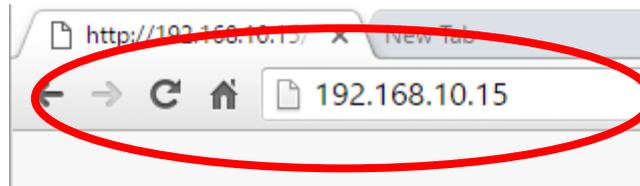
Each device has an IP address:

- 1) Assigned by the router
- or
- 2) Which is static as customary for the LAN.

In order to communicate successfully with the DUPLEX HVAC unit, it is necessary to know its IP address (to be obtained from the network administrator or from the CP Touch controller)

In order to communicate with the unit, do the following:

- 3) Open an Internet browser (IE Explorer, Firefox, Opera etc.) on the PC connected to the unit.
- 4) Type the IP address of the DUPLEX HVAC unit directly in the URL bar (according to the network where the DUPLEX HVAC unit is connected, e.g. 192.168.10.15)

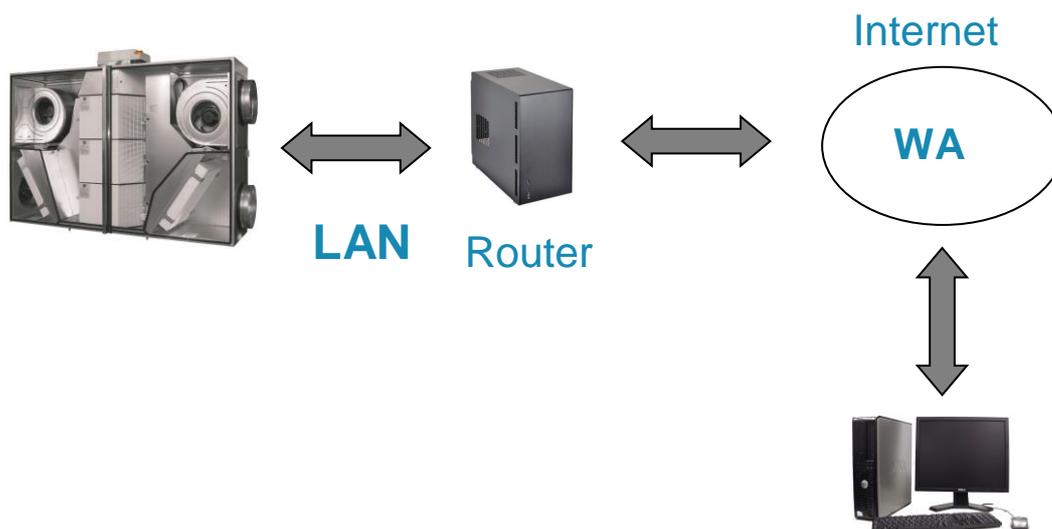


- 5) A password editing box subsequently appears (the default password is "pass").



### 1.3 DUPLEX HVAC unit and PC in different networks

Situation: Your DUPLEX HVAC unit is in a different local network on the Internet which is other than the network the computer we want to connect to the DUPLEX HVAC unit is part of.

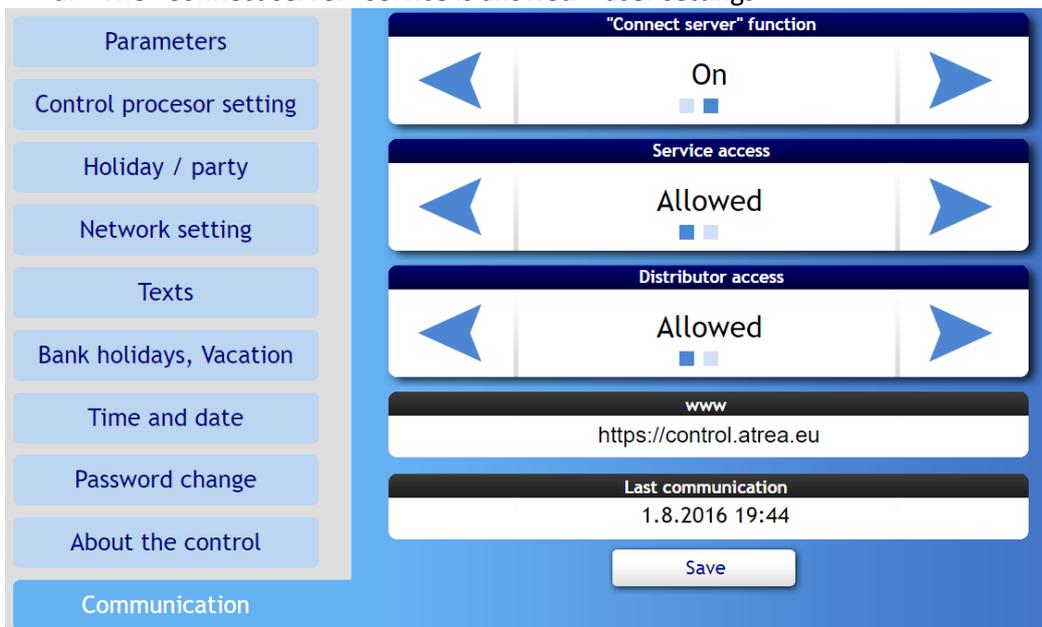


This type of communication can be provided by an independent web service. For DUPLEX units a "Connect server" service is available.

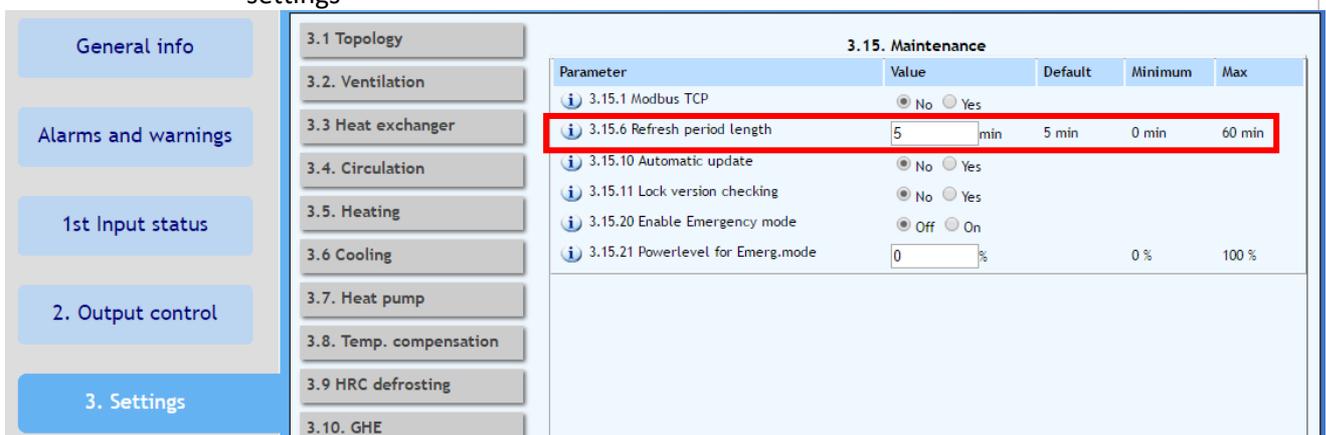
**Requirements for use:**

- 1) The PC you want to connect from has Internet access
- 2) The DUPLEX HVAC unit is in a local network with Internet access
- 3) The DUPLEX HVAC unit is properly configured within the LAN – i.e. its IP address matches that of the LAN)
- 4) The DUPLEX HVAC unit has all the settings for communication with the Connect server (these must be set using the CP Touch controller or through connecting locally to the DUPLEX HVAC:

a. The “Connect server” service is allowed – user settings



b. A period of regular pings from the unit to the Connect server is set – service settings



- 5) The DUPLEX HVAC unit's registration number is available (supplied with the documentation for your DUPLEX HVAC unit)

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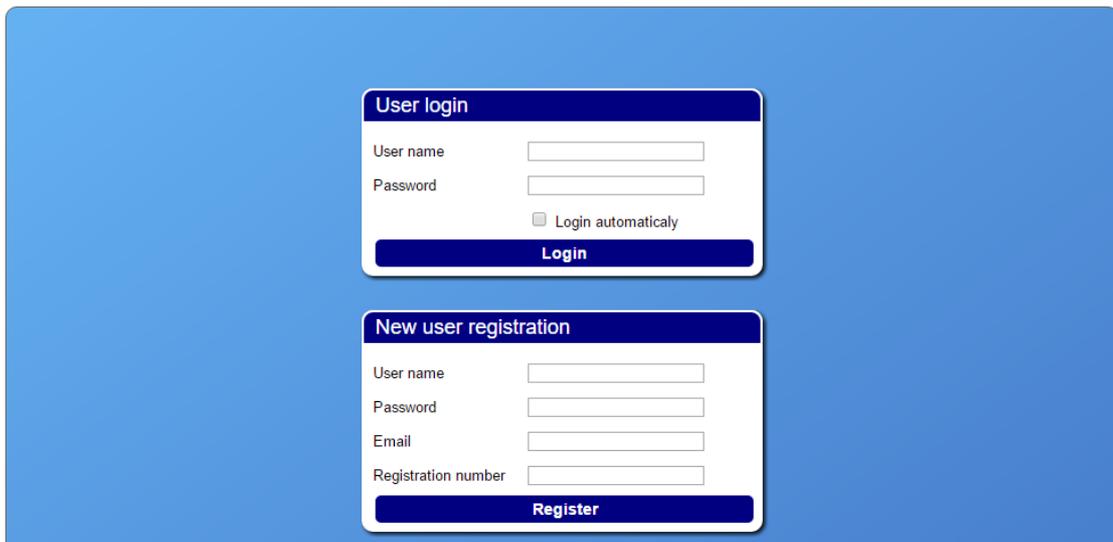
DUPLEX HVAC unit	Prod.No.: <b>M651602</b>
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 Reg.No.: 10658299411

### Connection procedure

- 1) In any browser type the following address: control.atrea.eu
- 2) A page appears with a registration form at the bottom to be filled out by a new user:

## REMOTE CONTROL

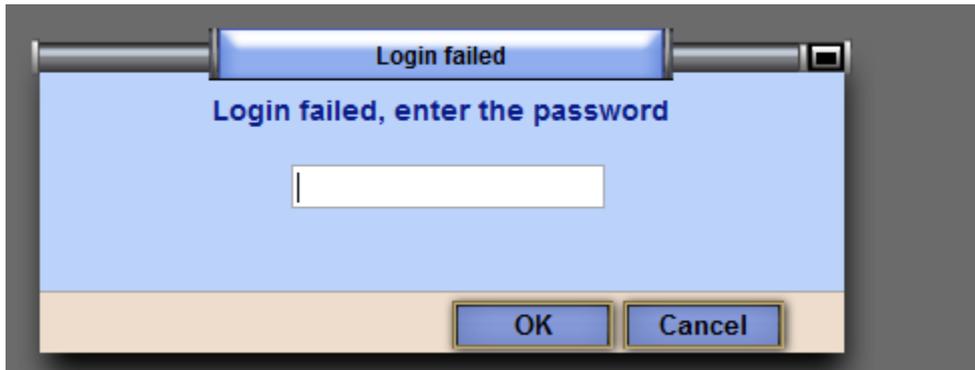


The screenshot shows a blue background with two white forms. The top form is titled 'User login' and contains fields for 'User name', 'Password', and a checkbox for 'Login automatically', with a 'Login' button below. The bottom form is titled 'New user registration' and contains fields for 'User name', 'Password', 'Email', and 'Registration number', with a 'Register' button below.

- "User name" – enter any name; this will then be used for connecting to the HVAC unit after registration
- "Password" – again choose any; this will then be used for connecting to the HVAC unit after registration (we recommend using a password which is not too simple; it is case-sensitive)
- "Email" – it can be used later for receiving data such as faulty conditions from the HVAC unit

- “Registration number” – enter the number from the form (above example: 101020203030), which is the unique code of each DUPLEX HVAC unit to allow access to that DUPLEX HVAC unit.

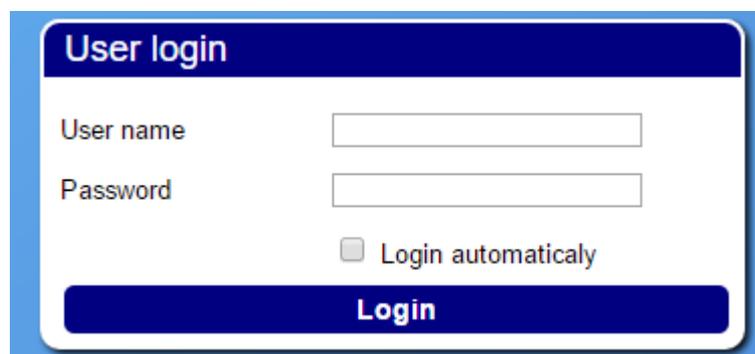
- 3) Press the registration button
- 4) The following message appears:



- a. Here enter the local HVAC unit’s password (the default password is “pass”). This can be changed later after logging in to your DUPLEX HVAC unit.
  - b. Without entering this password correctly you will not be able to connect to your DUPLEX HVAC unit even though you know its registration number (2nd protection level) – i.e. if you ever change the local access password, change it also for access from the Connect server.
- 5) After entering the local password and pressing the OK button a wait window appears showing the estimated time of connection (up to 5 minutes).
  - 6) The user web for controlling the HVAC unit then appears.

#### **Accessing the unit by a registered user:**

- 1) On the website control.atrea.eu enter a registered user’s name / password (following the above registration process) into the dialog box below:



- 2) Connection to the HVAC unit will now be done without entering the local password. If the local password is different from the one saved at the Connect server, the new user registration dialog box appears.

For more information including technical sheets for DUPLEX Roto (-N) units go to our web site.

**Thank you**

**ATREA team**