

D+CONNECT

REMOTE CONTROL FOR ELECTRONIC
RESIDENTIAL AND COMMERCIAL SYSTEMS



INTRODUCTION

The D.Connect service offers simple and intuitive remote control of your installation, without the need of a server or specialist personnel. With D.Connect, you can remotely manage your installations as if you were right in front of them.

Thanks to the system operation charts, you will also be able to optimise operation. You will also receive prompt notifications of any system faults.

THE CONNECTIVITY SERVICE ALLOWS YOU TO:

EASILY MONITOR YOUR SYSTEMS

The screenshot shows the D.CONNECT web interface. At the top is the D.CONNECT logo. Below it is a header bar labeled "Installation list". The main area displays a grid of eight installation cards. Each card shows a pump icon, the installation name, and a status indicator. The status indicators are green checkmarks for most installations, indicating they are OK. The installations listed are:

- Impianto di pressurizzazione via Cairoli Pisa (STATUS: green checkmark)
- Condominio Cancelli Palala (STATUS: orange exclamation mark)
- Condominio Pero Livorno (STATUS: green checkmark)
- Condominio Nicolai Firenze (STATUS: green checkmark)
- Officine Arnoldi Pressurizzazione (STATUS: green checkmark)
- Officine Arnoldi Riscaldamento (STATUS: green checkmark)
- Officine Arnoldi Acqua Calda Sanitaria (STATUS: green checkmark)
- Officine Arnoldi gruppi frigo (STATUS: green checkmark)

The installations with green status are OK, while the orange ones need attention, and the red ones are experiencing problems

TAKE ANY NECESSARY ACTIONS AS IF YOU WERE RIGHT IN THE PUMP ROOM

Using the internet site or the APPs, you will be able to easily and quickly control your systems.

The screenshot shows the D.CONNECT web interface for a specific installation, "e.sybox_40_80_V1.1.0". At the top is the D.CONNECT logo. Below it is a header bar with the installation name. The main area displays a pump icon and the following information:

- NAME : E.SYBOX
- PRODUCT DESCRIPTION : e.sybox 40/80
- SERIAL : FJOI2-22JBC-ISKOB-OBULA-JD277
- Time elapsed from last received data less than 3m

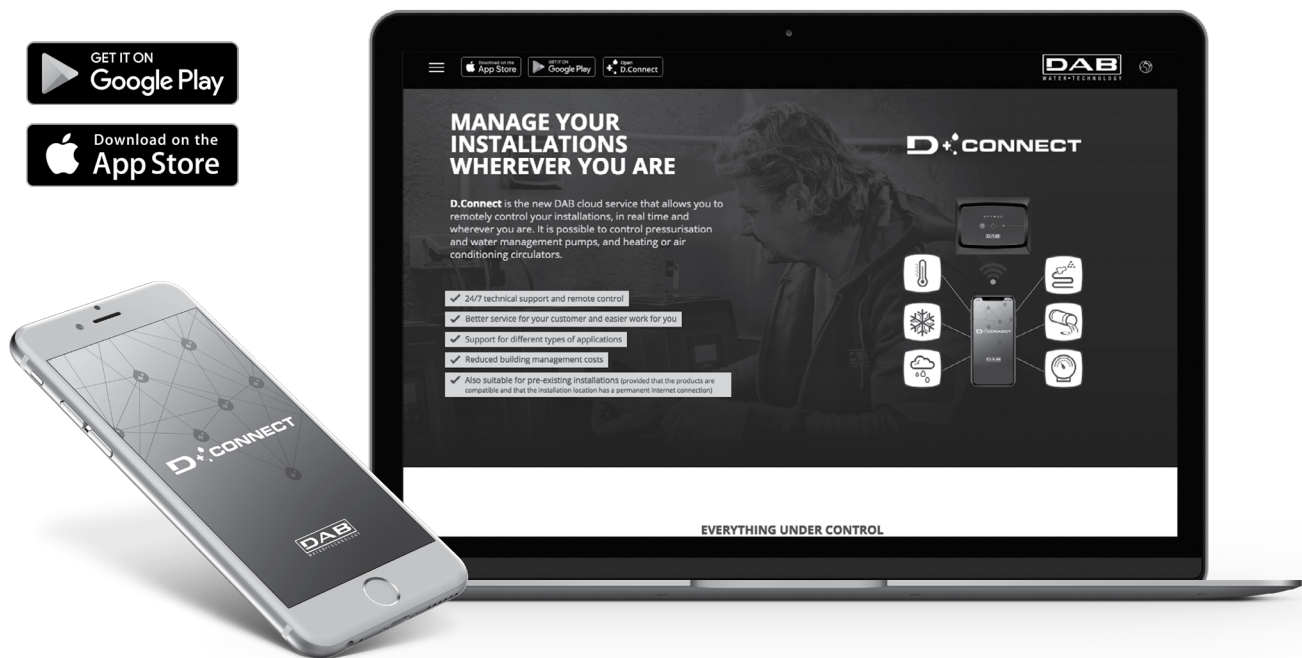
Below this information is a "Status" section with a dropdown menu. The status section displays a grid of 12 system parameters:

- PUMP STATUS: StandBy
- SYSTEM STATUS: System OK
- PRESSURE BAR (VP): 3.2 bar
- OUTPUT POWER (PO): 0 kW
- FLOW LITER (VF): 0 l/min
- TOTAL DELIVERED FLOW MC (FCt): 62.016 mc
- PARTIAL DELIVERED FLOW MC (FCp): 62.016 mc
- ROTATING SPEED (RS): 0 rpm
- PUMP PHASE CURRENT (C1): 0 A
- HEATSINK TEMPERATURE C (TE): 17 °C
- PUMP POWER ON HOURS (HO): 6404 h
- PUMP RUN HOURS (HO): 219 h

D.CONNECT SERVICE

REMOTE CONTROL FOR ELECTRONIC RESIDENTIAL AND COMMERCIAL SYSTEMS

Connect to the website: <https://dconnect.dabpumps.com>, using Internet Browsers such as Microsoft Edge or Google Chrome.
The Android and iOS D.Connect APPs can be downloaded from the relevant Stores:



In order to use the D.Connect service, registration and connected products are required.

REMOTE ALARMS

In case of alarm, the D.Connect service will promptly send you a notification, so that you can check what is happening and organise a visit to the system before the issue becomes an emergency for your customer.

WHAT PRODUCTS CAN YOU MANAGE USING THE D.CONNECT SERVICE?

MCE/P, AD AC, Active driver Plus, E.box, Evoplus, E.sybox, E.sybox mini.

WHAT DO YOU NEED TO USE THE SERVICE?

1. D.Connect Box
2. Cables for the connection of the D.Connect Box to the products to control
3. One or more compatible products
4. An internet connection in the system to control

For more information visit: <https://dconnect.dabpumps.com/getstarted>

D.CONNECT BOX

ELECTRONIC REMOTE CONTROL DEVICE



TECHNICAL DATA

D.Connect Box power supply: 12V DC, Current: 1.5A

Power supply unit supplied: input 100-240VAC, with interchangeable plugs for the European, UK, Australian and North American markets.

D.Connect Box protection class: IP20

Connection to the Internet:

- Wi-Fi: Supports 802.11 b/g/n, WPA-PSK/WPA2-PSK encryption
- Ethernet: Compliant with IEEE802.3 10Base-T and 100Base-TX standards

Installation: DIN rail using the accessory supplied, or wall-mounted installation using the wall plugs supplied.

Maximum number of devices: The maximum number of pumps that can be controlled with D.Connect Box is 8.

I/O external connections:

- 4 no-opto isolated voltage-controlled inputs
- 2 relay outputs

REQUIREMENTS:

DAB D.Connect APP requirements:

Smartphone or Tablet:

- Android 4.4.2 "KitKat" or higher.
- iOS 9 or higher.
- Access to the Internet.

PC requirements:

- Web Browser supporting Java script (e.g. Internet Explorer version 8.0 or higher, Firefox version 7.0 or higher, Google Chrome).
- Access to the Internet.

Network requirements:

- Permanent active local Internet connection.
- Wi-Fi and/or LAN modem/router; active DHCP service.
- In case of Wi-Fi connection, good quality Wi-Fi signal at the D.Connect Box installation area. In case of weak signal, we recommended the use of a Wi-Fi signal repeater.

APPLICATIONS:

D.Connect Box is a compact electronic device that allows to easily connect to the D.Connect service a wide range of DAB products, including already installed one. All it requires is a permanent network connection at the place of installation.

Using the DAB D.Connect APP, available from Apple Store or Google Play, or connecting to the dconnect.dabpumps.com website, it is possible to go through the various connected installations, checking their individual setting parameters. All this, using an extremely clear and functional user interface that allows you to have a lot of information at your fingertips.

D.Connect can be used in all the main fields of application: from pressurisation systems to circulation systems, from waste water recovery installations to swimming pool filtering systems.

It is a multi-channel service of high added value that can be used with any system, irrespective of its nature and size and in the same environment and with the same instruments.

Being modular, D.Connect can manage up to 8 different electronic pumps in a highly simple and integrated manner.

D.CONNECT BOX

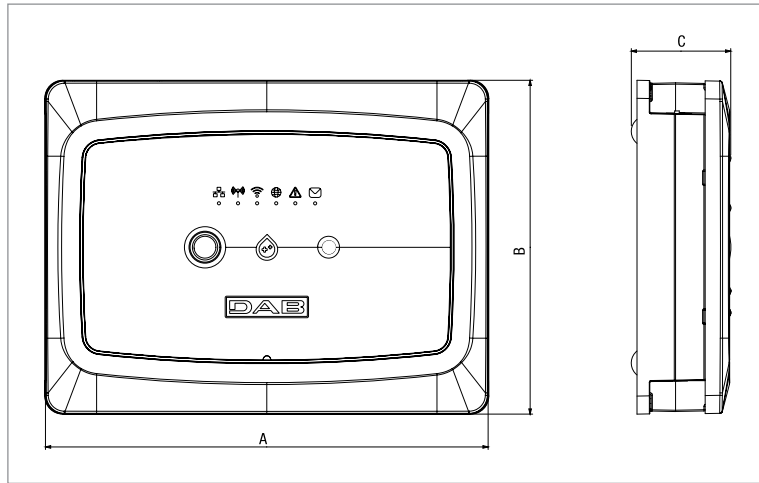
ELECTRONIC REMOTE CONTROL DEVICE

COMPATIBLE PRODUCT CONNECTIONS:



D.CONNECT BOX

ELECTRONIC REMOTE CONTROL DEVICE



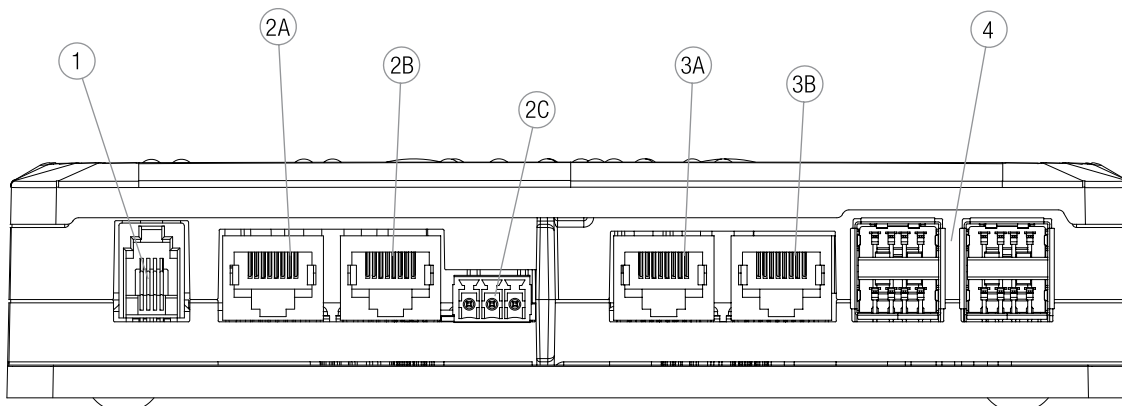
| DIMENSIONS | | | PACKING DIMENSIONS | | | WEIGHT kg |
|------------|---------|--------|--------------------|--------|-------|--------------|
| A | B | C | L | B | H | |
| 6.77" | 5.11" | 1.52" | 8.66" | 10.04" | 5.71" | 3.1 lbs |
| 172 mm | 129.7mm | 38.6mm | 220mm | 255mm | 145mm | 1.4 kg |



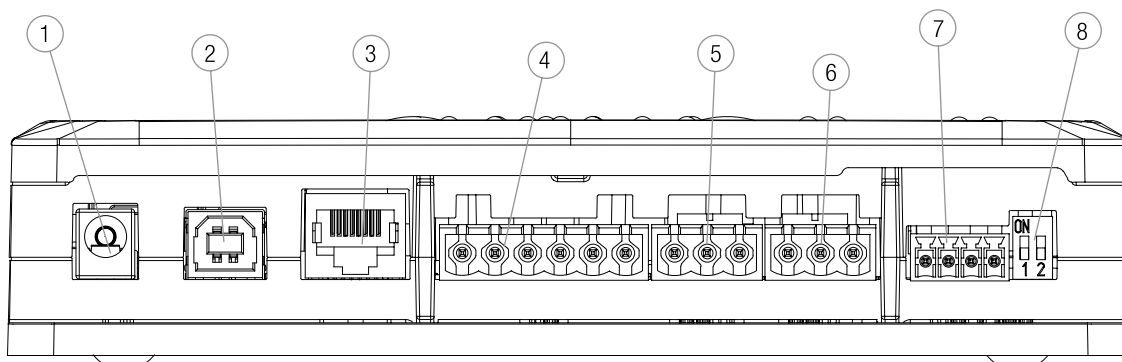
| | | |
|--|-----------------------------------|--|
| | LAN status LED | It shows if the device is connected to the LAN network |
| | Wireless status LED | If on steady, D.Connect Box is communicating with the DAB devices connected through the wireless network |
| | Wi-Fi status LED | If on, D.Connect Box is connected to an Access Point through the Wi-Fi network |
| | | If flashing, D.Connect Box is in Access Point mode, for example completing the initial configuration |
| | | If off, D.Connect is not connected to an Access Point or Wi-Fi is disabled |
| | DAB Service Centre connection LED | If on, D.Connect Box is connected to the DAB Service Centre |
| | Generic Error LED | If on, a system error is present |
| | Message LED | If on, a message has been received, which can be read through the APP or the DAB Service Centre |
| | D.Connect drop LED | Gradually comes on every time data is forwarded to the DAB Service Centre. |

D.CONNECT BOX

ELECTRONIC REMOTE CONTROL DEVICE



| | |
|----|----------------------------------|
| 1 | Serial Port |
| 2A | ADAC/MCE CAN-BUS1 Port |
| 2B | ADAC/MCE CAN-BUS1 Port |
| 2C | ACTIVE DRIVER PLUS CAN-BUS1 Port |
| 3A | ADAC/MCE CAN-BUS2 Port |
| 3B | ADAC/MCE CAN-BUS2 Port |
| 4 | USB EBOX/Expansion Ports |



| | |
|---|--|
| 1 | Power input / Power Jack |
| 2 | Host USB (Power input only) |
| 3 | Ethernet Port: LAN cable connection |
| 4 | I/O - 4 no-opto isolated voltage-controlled inputs |
| 5 | I/O - Relay output OUT1 |
| 6 | I/O - Relay output OUT2 |
| 7 | Modbus: Evoplus |
| 8 | Dip Switch: Modbus configuration |

PACK CONTENT:

- D.Connect Box.
- Wall-mounted power supply unit, plugin socket and ferrite core.
- Screws and plugs for wall-mounted installation.
- DIN rail installation bracket.
- Electric connectors for Modbus, Canbus, I/O, Relay connections.
- Instruction manual.

LICENSES: <http://dconnect.dabpumps.com/GPL>



DAB PUMPS reserves the right to make modifications without notice.



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