CoRe System advantages:

MODULAR
Composed by a few configurable elements.

USER-FRIENDLY
Easy set-up and use.

SCALABLE
Usable from small to large applications.

CONNECTED
Remote management from mobile devices.

The ideal climate always connected to your smartphone

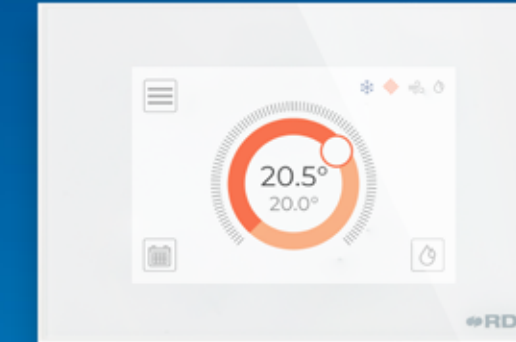**Connect to the system whenever you want.**
With the **RDZ CoRe App**, one touch is all it takes to handle your heating, cooling and air handling system.
A **clear and intuitive** graphic interface allows you to control the system at any time and set the operating parameters to **match your needs**. The App is available for IOS and Android systems and it is compatible with Amazon Alexa and Google Home voice assistants.
Ensuring comfort and optimising consumption has never been so smart.

Download on the **App Store**

ANDROID APP ON **Google play**

RDZ
You Feel, We Care

CoRe System
The heart of comfort

RDZ
You Feel, We Care

Easier than ever

The **simple interconnected CoRe System** is designed to control radiant heating, cooling and air handling systems. Using just a few units that are **easy to combine and install**, it efficiently manages everything from small home systems to more complex solutions with multiple zones and centralized energy production. The dedicated App - available for both iOS and Android - lets you control the system anytime, anywhere via smartphone, tablet or computer.
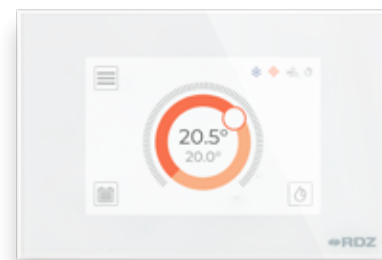
CoRe System components:
- **CoRe TH** and **CoRe Crono TH** temperature and humidity room controllers
- **CoRe Air Speed** and **CoRe Air Control** interfaces for AHU
- **CoRe MCT 010** mechanical room controller
- **CoRe Connect** connectivity module

CoRe TH

Core TH is the room controller that lets users control heating, cooling and dehumidification in radiant systems. A minimalist user-friendly interface lets you display the detected temperature, change the desired temperature set point and select the working mode. The probe calculates the dew point and can, if necessary, switch off the radiant system while keeping dehumidification on.

- Heating and cooling
- Dew point limit function
- Dehumidification

CoRe Crono TH

Core Crono TH is a room controller temperature and humidity control interface. Users can select working mode and set the temperature - also with schedules - via the user-friendly touchscreen. Easy-to-understand coloured icons show zone status. The probe continuously calculates the dew point: when values become critical, water circulation is disabled to prevent surface condensation.

- Heating, cooling and dehumidification
- Dew point limit function
- Schedules

CoRe Connect

The Core Connect module links the system to the internet.
It lets you interact with the system via the app - which can be used with any mobile device, PC or voice assistant. With Core Connect it's possible to integrate the system into home automation via the KNX or Modbus protocol. It allows to give online support only to authorised technicians.
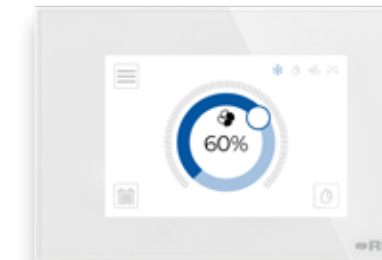
- APP for mobile devices
- KNX
- Voice assistants

CoRe Air Speed

Core Air Speed controls the air renewal unit and displays the related data. Four capacitive touch keys let you select air flow rate, the duration of the boost and switch the unit off. A red LED warns you when the filters need to be replaced.

- Air renewal
- BOOST Boost activation and duration
- "Away from home" activation

CoRe Air Control

The Core Air Control graphic interface is used to control air renewal, dehumidification and temperature. The touchscreen lets you set and display the main operating parameters of the air handling unit.

- Air renewal
- Schedules
- Temperature and humidity

CoRe MCT

Core MCT is the mechanical room controller. It lets users monitor and configure all the parameters and elements that allow the RDZ Comfort System to work efficiently.
CoRe MCT is available both as a single module or a pre-wired version.

- Radiant circuit + Air Handling Unit circuit
- Internal Dynamic Compensation
- Smart grid

CoRe System: how it works

Thanks to a multimaster communication protocol and distributed logic, CoRe System delivers ultra-efficient control of any radiant heating/cooling system combined with air handling systems. Room controls manage temperature by acting directly on radiant system actuators. Dehumidification or temperature requests are sent to the devices via bus. The mechanical room controller receives circulator and generator activation requests and controls the mixing valve in order to maintain the inlet water temperature inline with the calculated set point. In summer, the TH probes constantly monitor the dew point to regulate temperature and prevent the surface condensation.

CoRe Connect

CoRe Crono TH CoRe Crono TH UC xx CoRe -Air Control CoRe MCT CoRe MCT

RDZ Cloud

1 CoRe TH or CoRe Crono TH for each T/H zone
1 Air Control or Air Speed for each UC/VMC
1 CoRe MCT for each mixing valve
CoRe Connect for remote connection