Home Control Unit

HmIP-HCU1 | HmIP-HCU1-A

The central control unit of the Smart Home for everyone: from first-timers to professionals – the Homematic IP Home Control Unit connects all the devices in the Smart Home and enables convenient control using the app, either over the cloud or locally. The futureproof central control unit is the ideal solution for customised energy management, local data storage, measurement data logging and flexible extension options.

homematic IP
Smart living, simply comfortable

THE SMART CENTRAL CONTROL UNIT FOR YOUR HOME

The Home Control Unit is the flexible central control unit of your Smart Home installation. Whether you'd like to manage your Smart Home locally or operate it using the cloud, the Home Control Unit is always the right choice. Thanks to the pairing wizard and intuitive, preconfigured solutions, startup is an absolute breeze – even for first-timers.

EQUIPPED FOR THE FUTURE

With its powerful hardware and the cloud connection in the background, the Home Control Unit is perfectly equipped for the future:

✔ Energy dashboard for Homematic IP and EEBUS devices
✔ Online and offline mode
✔ Free remote access over the Homematic IP Cloud
✔ Free app for smartphone and tablet (will also be available for smartwatch soon)
✔ Local data backup and execution of automations

HIGH LEVEL OF SECURITY ACCORDING TO GERMAN QUALITY STANDARDS

✔ Smart Home solution developed in Germany
✔ End-to-end AES-128 encryption
✔ Secure in use, without any need for registration
✔ Reliable 868 / 869.525 MHz radio protocol
✔ VDE-certified protocol, IT and data security

*In conjunction with a Homematic IP Wired Access Point (HmIPW-DRAP).

AN ALL-IN-ONE SOLUTION

The diverse Homematic IP range can be conveniently combined over the HCUweb interface.
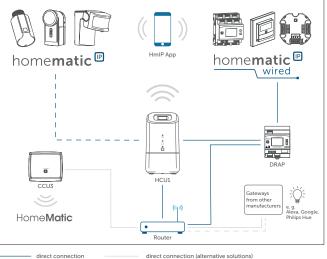
The HCUweb features the following settings and functions:

✔ Plug-in management
✔ Update configuration
✔ Configuration of online and offline mode
✔ Network settings
✔ Backup management
✔ USB memory management

Both wireless components and wired devices* are supported. So system expansion is an option at any time. Extending the system's wireless range is easy with the Access Point (HmIP-HAP).

The CCU3 can also be used as a gateway to integrate Homematic devices.

What's more, users also have the option of using plug-in interfaces in future to link devices from other manufacturers to the Home Control Unit.

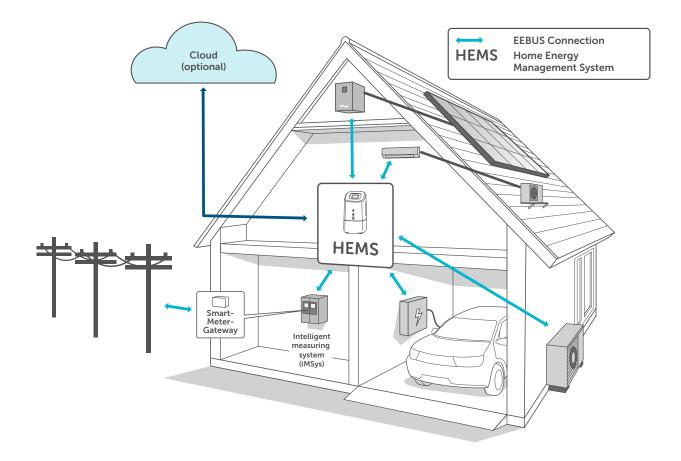direct connection
wireless connection
direct connection (alternative solutions)
wireless connection (alternative solutions)

System requirements:
- Router with WLAN or free LAN port
- Internet connection (startup for the first time)
- Smartphone with Homematic IP app

SMART ENERGY MANAGEMENT

With the EEBUS interface, the central control unit is ideal for integrating controllable appliances such as heat pumps, air-conditioning systems and wallboxes into the Smart Home. Initially, users will be able to monitor the individual devices and record the measurement data. In future, control of devices integrated via EEBUS will also be realised via a software update. This makes energy management in the home really smart.

HEMS — EEBUS Connection
Home Energy Management System

Cloud (optional)

Smart-Meter-Gateway

Intelligent measuring system (iMSys)

HEMS

TECHNICAL SPECIFICATIONS

Supply voltage	Plug-in power supply unit 5.1 VDC (SELV)
Power consumption in standby	2.0 W
Input (plug-in power supply unit)	100 – 240 VAC, 50 Hz
Current consumption	Max. 2600 mA
Degree of protection	IP20
Ambient temperature	5 to 40°C
Dimensions (W x H x D)	96 x 173 x 96 mm
Weight	510 g
Radio frequency band	868.0-868.6 MHz 869.4-869.65 MHz
Typical Range in open space	400 m
USB	2x USB host ports
WiFi	2.4 GHz (802.11b, g, n / 150 MBit/s) 5.0 GHz (802.11n, ac / max. 433 MBit/s)
Network	10/100 MBit/s, Auto-MDIX

LOGISTICS DATA

Version	White	Anthracite
Product reference	160322A0	160692A0
EAN code	4047976603220	4047976606924
Short description	HmIP-HCU1	HmIP-HCU1-A
Packing unit	8	
Packaging dimensions	285 x 190 x 150 mm	
Weight incl. packaging	1,217.9 g	

PACKAGE CONTENTS

Homematic IP Home Control Unit, plug-in power supply unit, network cable, USB stick (for measurement data, backups and log files), operating manual