DoorBird
Technology meets Design.

1080p FULLHD

SONY
Image sensor technology

RFID

OSRAM
LED TECHNOLOGY INCLUDED

Power supply unit included!

Bluetooth

D1812B

IP VIDEO DOOR STATION

Intercom system for single-family homes and businesses with 1 unit, that also works with DoorKing® 1812 installations

Designed, developed and made in Germany

ANSWER YOUR DOOR ANYWHERE.

HOW DOES IT WORK?

Imagine, you are not at home and your children have locked themselves out or the courier wants to deliver a parcel. With DoorBird this is no longer a problem. Every time someone rings the doorbell you will get a push notification on your smartphone or tablet. Via the DoorBird App you can talk to visitors and also see them live in HD quality. You will never miss a visitor again. With DoorBird you are on the move and yet at home, even if a burglar rings at the door to check if someone is at home.

SMART HOME STARTS AT THE FRONT DOOR

DoorBird is the smart solution for your house entrance. Simply connect your DoorBird IP Video Door Station to your smartphone and talk to your visitor – anywhere you are. The IP Video Door Station can be used as a stand-alone unit or can be integrated into an existing Smart Home platform. Even existing classic installations such as an electric door opener can still be used and controlled via the DoorBird App.

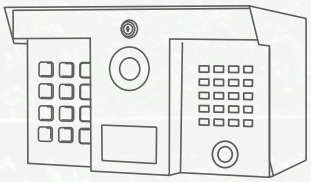
QUALITY MADE IN GERMANY

All DoorBird products are designed, developed and produced by Bird Home Automation Group in Berlin, Germany. We manufacture all products with the greatest care and precision, and deliver them to our customers all over the world.

More than 120 employees are comitted to continuously developing DoorBird in order to guarantee the highest quality, longevity and customer satisfaction. For us "Made in Germany" is not only a seal of quality, but a philosophy.

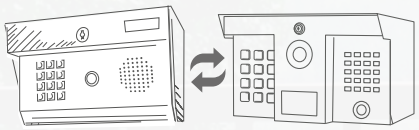
ONE INTERCOM SYSTEM FOR DIFFERENT USE CASES

Stand-alone



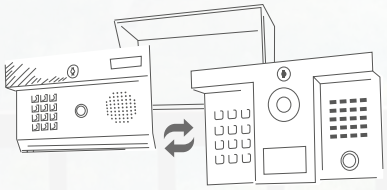
Install the D1812B intercom as a stand-alone solution

Replacement



Replace your DoorKing® 1812 to get a smart IP door intercom as a pre-built package

Upgrade



Upgrade your DoorKing® system to smart IP technology by inserting the PCBA of the DoorKing® into the D1812B and keep the existing analog DoorKing® 1812 telephone system running

ADVANTAGES

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Open API
- Local interface for integration with third-party systems and SIP

Video and audio call
- On smartphones, tablets (iOS, Android), IP and landline phones (SIP)

Smart Transmission Mode (STM)
- Real-time audio / video communication, optimized for mobile devices via WiFi, 3G, 4G, 5G

Smart Home & NVR compatible
- Control4, Lilin, Crestron, Synology, Dahua, URC, QNAP, RTI, ELAN, Synology, Bang & Olufsen and others

Motion sensor with 4D technology
- Distance up to 6 m (19.7 ft) adjustable via App (interval: 1 m / 3.3 ft)

Night vision
- With Infrared LEDs

HDTV video
- Ultra wide-angle, hemispheric lens, 180°

Light sensor
- For night vision mode

Automatic door buzzer
- For use in medical offices and office environments

Free visitor history
- Store still images for free, optional video recording available

Individual action schedules, e.g.:
- RFID key fob “abc” has only access on Wednesday from 9 am until 11 am
- 4D motion sensor switches on external lamp between 9 pm and 6 am

Geofencing
- Automatic door and gate opening when returning home

Noise reduction and echo cancellation (AEC, ANR)

Configurable stainless steel button
- With illuminated LED ring

Two freely configurable bistable switching relays
- Two doors or gates can be controlled via App
- Status configurable via App: temporary or permanent circuit

Wiegand Interface
- **Output of Keypad and RFID reader**

Keypad Module
- Configurable via App
- More than 500 individual PIN codes
- Individual events (e.g. switch a relay, HTTP(s) requests)

Bluetooth Low Energy (BLE)
- For access control (compatible with Bluetooth Keyfob A8007), compatible external sensors and smart locks

RFID reader
- Configurable remotely via App (e.g. time frame)

Easy self-install
- Quick installation via QR code scan

Easy connection to the network
- Connection via a network cable or bell wire via 2-Wire Ethernet PoE+ Converter DoorBird A1072 (PoE, network data)

Microphone
- Clear voice transmission

TECHNICAL SPECIFICATIONS

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GENERAL

Compatiblity	DoorKing® 1812 Classic (Flush & Surface Mount), DoorKing® 1812 Plus (Flush & Surface Mount), revisions „1871-010“ or „1970-010“
Front panel	2 mm (0.078 in), brushed stainless steel V2A, V4A
Call button	Stainless steel button with illuminated LED ring
Power supply	12 – 15 DC (min. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Keypad Module	12 keys, illuminated, configurable via App, e.g. • Individual PIN codes • Individual events (e.g. switch a relay, HTTP(s) requests) • Individual schedules • Up to 500 PIN codes manageable
Weight	1.700 g
Connectors	• RJ45, for LAN/PoE • 2x bistable relays, max. 30 V DC/V AC, 3 A, e.g. for electric door opener • Wiegand output (26 bit and 34 bit) • External input, e.g. for external door opener button • 12 - 15 V DC
Protection class	IP65, IK08
Approvals	CE, UKCA, FCC, IC, RoHS, REACH, WEEE, Wi-Fi CERTIFIED™
Dimensions	150.5 x 248 x 73.5 mm (H x W x D) 5.93 x 9.76 x 2.89 in (H x W x D)
Operating conditions	-25 to +55˚C / -13 to 131˚F Humidity 10 to 85 % RH (non condensing)
Scope of delivery	1x Main Electrical Unit 1x Front panel 1x Surface-mounting housing 1x Power supply unit (mains adaptor) with country-specific adaptors (100 - 240 V AC to 15 V DC) 1x Quickstart guide with Digital Passport 1x Installation manual 1x Small parts
Warranty	see www.doorbird.com/warranty

CURRENT SYSTEM REQUIREMENTS

System requirements	Mobile device: Newest iOS on iPhone/iPad, newest Android on Smartphone/Tablet Internet: High-Speed Landline Broadband Internet connection, DSL, cable or fiber optic, no socks or proxy server Network: Ethernet Network, with DHCP
Recommended installation height	Camera lens should be at a min. height of 145 cm (57 in). Before the installation please determine your optimal installation height.

VIDEO

Camera	HDTV 1080p, dynamic (VGA – HDTV)
Lens	High-end ultra wide-angle hemispheric lens 180˚ (D), 150˚ (H), 82˚ (V), straightened, IR-capable
Night-vision	Yes, light sensor, automatic IR-cut filter, IR-LEDs (850 nm)

AUDIO

Audio components	Speaker and microphone, echo and noise cancellation (AEC, ANR)

NETWORK

Ethernet	PoE 802.3af Mode-A, 10/100 Base-T
WIFI	n/a
Supported protocols	HTTP, HTTPS, SSL/TLS, Bonjour, DNS, RTSP, RTP, TCP, UDP, RTCP, ICMP, DHCP, ARP, SIP, DTMF (RTP [RFC-2833], SIP INFO [RFC-2976]), STM

MOTION SENSOR

Type	Active
Detection angle	80˚ (H), 50˚ (V)
Range	1 - 6 m (3.3 - 19.7 ft), depends on environment, configurable in 1 m (3.3 ft) steps.
Technology	4D. Based on multiple integrated sensors and algorithms, e.g. Radio Frequency Energy (RFE)
Configuration	Via App, e.g. • Range (1 - 6 m / 3.3 - 19.7 ft) • Movement direction (coming, leaving, both) • Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) requests) • Individual schedule

RFID READER 13.56 MHZ

Type	Active Reader Passive Tag (ARPT) system
Standard	ISO 14443A. MIFARE® Classic®. MIFARE® DESFire® EV1, MIFARE® DESFire® EV2, NFC
Frequency	13.56 MHz
Range	0 - 3 cm, depends on environment
Antenna	Internal
Compatible Transponder	RFID transponder key fobs, sold separately, see www.doorbird.com/buy Up to 500 tags manageable
Configuration	Via App, e.g. • Tag (add, delete) • Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification) • Individual schedules

WIEGAND

Protocols	26, 30, 31, 34 and 44 bit
Direction	Output (Keypad, RFID reader)
Maximum cable length	150 m (492 ft)
Highlights	Galvanic isolation of the Wiegand output signals, max 5 mA per output (data line)
Configuration	Via App, e.g. protocol and interface on/off

INTEGRATED WIRELESS MODULES

WiFi	n/a
Bluetooth	Bluetooth Low Energy (BLE), compatible with DoorBird Bluetooth Keyfob Remote A8007
RFID	13.56 MHz
Sensor	24 GHz, can be disabled

THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)

Partner integrations	see www.doorbird.com/connect
API	see www.doorbird.com/api
Simultaneous video streams	One, for event-based and continuous recording

OPTIONAL ACCESSORIES

Sold separately	see www.doorbird.com/buy

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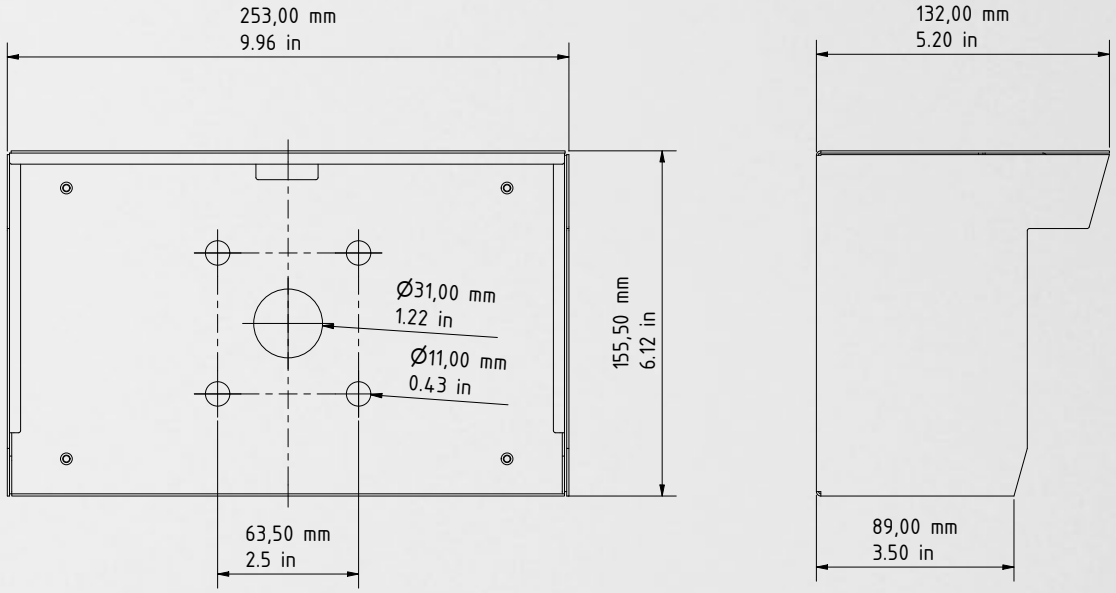
Front panel material thickness: 3.0 mm (0.12 in)



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