DoorBird
Technology meets Design.

A1101

VERSION 1.2, MIN. HW 1.2

INSTALLATION MANUAL

Read these instructions carefully before starting to use any components. Keep the manual so you can refer to it at a later date if required. If you hand over the device to other persons for use, please hand over the operating manual as well.

You can always find the most up-to-date version of the installation manual on www.doorbird.com/support

To make things easier we use the term “device” for the product “DoorBird IP Video Indoor Station A1101” and “mobile device” for a smartphone or tablet.

Liability
Every care has been taken in the preparation of this document. Please inform Bird Home Automation GmbH of any inaccuracies or omissions. Bird Home Automation GmbH cannot be held responsible for any technical or typographical errors and reserves the right to make changes to the product and manuals without prior notice. Bird Home Automation GmbH makes no warranty of any kind with regard to the content of this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Bird Home Automation GmbH shall neither be liable nor responsible for incidental or consequential damages in connection with the furnishing, performance or use of this material. This product is only to be used for its intended purpose.

Equipment Modifications
This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no components that require service by the user. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

Symbols used

Danger: Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

Warning: Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

Caution: Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE **Notice:** Indicates a situation which, if not avoided, could result in damage to property.

Important: Indicates significant information which is essential for the product to function correctly.

Note: Indicates useful information which helps in getting the most out of the product.

Hazard information

WARNING

- Mounting, installation and servicing work on electrical devices may only be performed by a qualified eletrician. Failure to observe this regulation could result in the risk of serious damage to health or fatal injury due to electric shocks.
- Devices with 110-240 V connection: The device may only be connected to an easily accessible power socket outlet.
  The mains adapter must be pulled out if a hazard occurs.
- For power supply, only use the original plug-in mains adapter delivered with the device or a recommended PoE-Switch /PoE-Injector as specified in this manual.
- Because of electrostatic charging, direct contact with the circuit board can result in destruction of the device. Direct contact with the circuit board must therefore be avoided at any time.
- Observe the EN 60065 resp. EN 60950 resp. EN 62368 standard.
- Do not use the device if there are signs of damage to the housing, control elements or connecting sockets, for example, or if it demonstrates a malfunction. If you have any doubts, please have the device checked by an authorized expert.
- Do not open the device. This voids the warranty of the device. The device does not contain any parts that can be maintained by the user. In the event of an error, please have the device checked by an authorized expert.
- For safety, approval and licensing reasons (CE/FCC/IC etc.), unauthorized change and/or modification of the device is not permitted.
- The device is not a toy; do not allow children to play with it. Do not leave packaging material lying around. Plastic films/bags, pieces of polystyrene, etc. can be dangerous in the hands of a child.
- Always lay cables in such a way that they do not become a risk to people and domestic animals.
- Voltage is applied to parts within the equipment. Do not touch any parts that are

WARNING

not associated with the installation, wiring, or connection. Electric shock could result.

- On devices which are not marked as weather-proof: Keep the device away from water or any other liquid.
- Do not install or make any wire terminations while power supply is plugged in. It can cause eletric shock or damage to the device.
- Before turning on power, make sure wires are not crossed or shorted. If not, fire or eletric shock could result.
- High voltage may be present internally. Do not open the device. Electric shock could result.
- The device is not of explosion-proof. Do not install or use near gases or flammable materials. Fire or explosion could result.
- Do not install two power supplies in parallel to a single input. Fire or damage to the device could result. Be sure to connect a single power supply to the device.
- Do not connect any terminal on the device to an AC power line. Fire or electric shock could result.
- Keep AC cord from being marred or crushed. If the AC cord is fractured, fire or electric shock could result.
- Do not plug or unplug with wet hands. Electric shock could result.
- Do not put any metal or flammable material into the device. Fire, electric shock, or device trouble could result.
- Existing wiring such as chime wiring, etc. may contain high voltage AC electricity. Damage to the device or electric shock could result. Wiring and installation must be done by a qualified eletrician.
- When mounting the device on a wall or ceiling, install the device in a convenient location, but not where it could be jarred or bumped. Injury could result.
- On devices with ground terminals, connect to an earth ground. Otherwise fire or malfunction could result.
- On devices with plastic or real glass, do not put high pressure on the glass. If fractured, injury could result.
- On devices with LCD, if LCD is punctured, do not allow contact with the liquid crystal inside. Injury could result. If necessary, gargle your mouth and clean your eyes or skin with clear water for at least 15 minutes and consult your doctor.
- Do not put anything on the device or cover the device with cloth, silicone, glue, coating, separate covering etc. Fire or device issues could result.
- Do not install the device in any of the following locations. Fire, electric shock, or device trouble could result.
  - Places under direct sunlight or places near heating equipment that varies in temperature.
  - Places subject to dust, oil, chemicals, hydrogen sulfide (hot spring).
  - Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
  - Places where the temperature is very low, such as inside a refrigerated area or in front of an air conditioner.
  - Places subject to steam or smoke (e.g. near heating or cooking surfaces).
  - Where noise generating devices such as dimmer switches or inverter electrical appliances are closeby.
  - Locations subject to frequent vibration or impact.
- On devices with intercom, be sure to perform a call test with low audio volume on both intercom devices. A sudden call etc. may arrive causing for example damage to your ear.
- If the device does not operate properly, unplug the power supply.
- All devices which are not marked as weather-proof are designed for indoor use only. Do not use outdoor.
- On devices which are marked weather-proof: Do not spray with high-pressure water. Device issues could result.
- We do not assume any liability for damage to property or personal injury caused by improper use or the failure to observe the hazard information. In such cases, any claim under warranty ceases. For consequential damages, we assume no liability!

Safety instructions

NOTICE

- The device shall be used in compliance with local laws and regulations.
- Store the device in a dry and ventilated environment.
- Avoid exposing the device to shocks or heavy pressure.

NOTICE

- Do not install the device on unstable brackets, surfaces or walls. Make sure the material is strong enough to support the weight of the device.
- Use only applicable tools when installing the device. Using excessive force with tools could cause damage to the device.
- Do not use chemicals, caustic agents, or aerosol cleaners.
- Use a clean dry cloth for cleaning.
- Use only accessories that comply with technical specification of the device. These can be provided by Bird Home Automation GmbH.
- Use only spare parts provided by or recommended by Bird Home Automation GmbH.
- Do not attempt to repair the device by yourself. Contact Bird Home Automation GmbH for service matters.
- Keep the device more than 1 m (3.3') away from microwave, radio, TV, wireless router and any other wireless devices.
- On devices with intercom or built-in speaker or built-in microphone or signal transmission functions, keep the wires more than 30 cm (12") away from AC 100-240 V wiring. AC induced noise and/or device malfunction could result.
- Install the device in an area that will be accessible for future inspections, repairs and maintenance.
- If the device is used close to a cellular phone, the device may malfunction.
- The device can be damaged if dropped. Handle with care.
- The device turns inoperative during power failure.
- On devices with intercom or built-in speaker or built-in microphone, in areas where cellular or Radio / TV broadcasting station antennas are closeby, the device may be affected by radio frequency interference.
- On devices with LCD screen, it must be noted in advance that the LCD panel, though manufactured with very high precision techniques, inevitably will have a very small portion of its picture elements always lit or not lit at all. This is not considered a device malfunction.
- On devices with intercom, due to the environmental sound around the device, it may hinder smooth communication, but this is not a malfunction.
- On devices with Username/Password, the Username/Password to access the device is the customer's responsibility. Make sure to use password that cannot be easily guessed by a third party. We recommend that you change the Password on a regular basis.
- We will, under no circumstances, be liable for damage that occurs due to failures in power supply, network equipment or terminal devices; failures due to Internet providers and cellular network providers; failures such as disconnected lines and other losses in communication, which makes it impossible to provide this service as well as in any way delay this service due to any other causes outside of our responsibility; or if an error or missing data occurs during transmission.

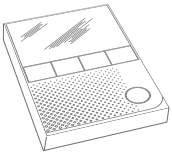
Transportation

NOTICE When transporting the device, use the original packaging or equivalent to prevent damage to the device.

Warranty Information

For information about the device warranty, see www.doorbird.com/warranty

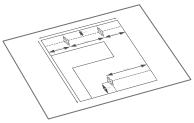
COMPONENTS



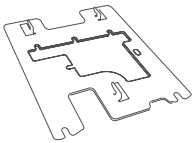
1x Device

1x Installation manual

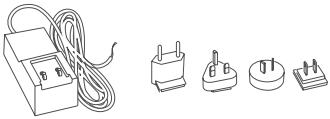
1x Quickstart guide
with Digital Passport



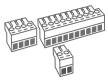
1x Drilling template



1x Mounting bracket



1x Power supply unit (mains adaptor)
with four country-specific adaptors

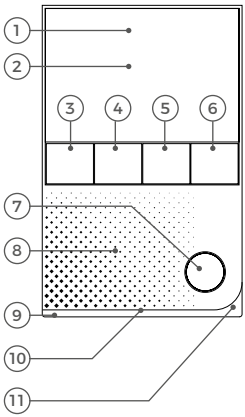


3x Screw connection
terminal plugs

Small parts

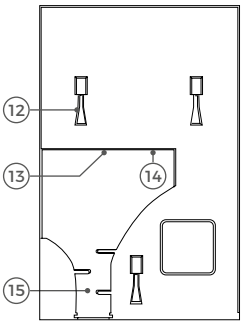
DEVICE

Front



1) Gorilla® Glass
2) Touch Display
3) Button "Open door"
4) Button "Favourite"
5) Button "Mute"
6) Button "Menu"
7) Button "Enable listen and talk"
8) Speaker
   Large-sized broadband speaker
9) LED Status Bar
   To visualize ring events etc.
10) Diagnostic-LEDs
    To visualize the current status of the device
11) Microphone

Back



12) Mounting points
    To mount the device on the mounting bracket
13) Screw connection terminal
14) Setup button (SET)
    of the device, to e.g. configure the WiFi interface
    of the device using the DoorBird App
15) Cable clamp

VIDEOS

Need help with the installation? Be sure to watch our installation videos which can be found on www.doorbird.com/support

Each individual step of the installation is clearly documented in the videos.

INSTALLATION

All the steps below should be carried out carefully by a competent adult, taking into consideration any applicable safety regulations. Please contact us directly or seek the advice of a competent specialist.

Please ensure that all wires used for the installation are undamaged along their entire length and approved for this type of use.

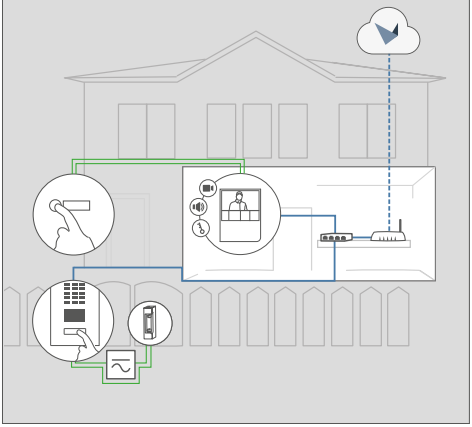
Network speed and network components
Please ensure that the upload speed of your Internet connection is at least 0.5 Mbps. The user experience is only as good as your network speed, network stability and quality of your network components, such as your Internet Router and WiFi access points or WiFi repeaters. Please also make sure that your network components are no older than two years, have been manufactured by a well-known manufacturer, and have the latest firmware installed.

Should these requirements not be fulfilled, it may occur, for example, that the performance of audio and video is poor or push notifications are delayed or do not arrive on your smartphone or tablet at all.

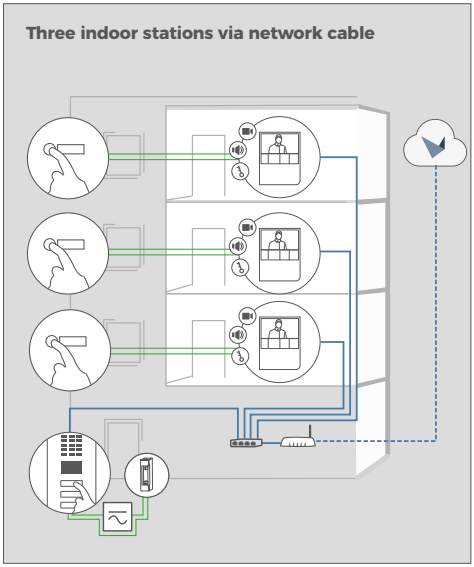
Requirements:
High-speed Internet (via landline): DSL, cable or optical fibre
Network: Ethernet, with DHCP

INSTALLATION EXAMPLES

One indoor station via network cable



Three indoor stations via network cable

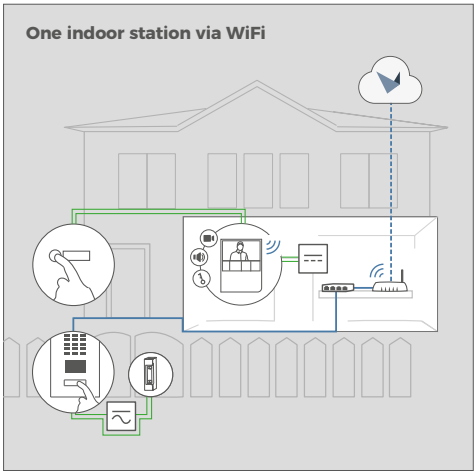



Storey-call button


Indoor Station


DoorBird IP Video Door Station


Electric door or gate opener. Can be secured via DoorBird I/O Door Controller if required (remote safety relay)



STEP 1: SWITCHING OFF POWER

Switch off the power to all wires leading to the assembly location, i.e. the door chime, electric door opener, power supply unit, PoE-Switch/ PoE-Injector etc.

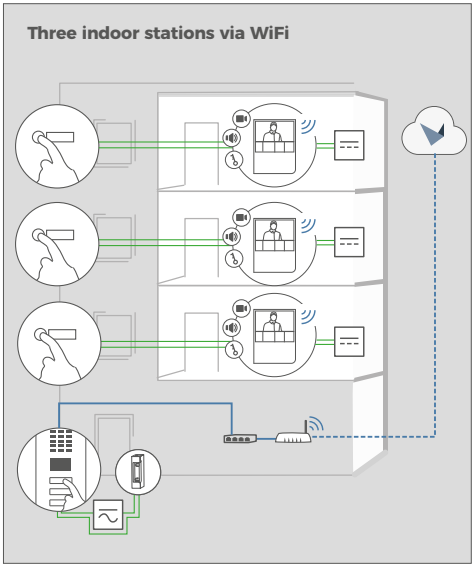
STEP 2: DISMANTLING THE EXISTING INDOOR STATION

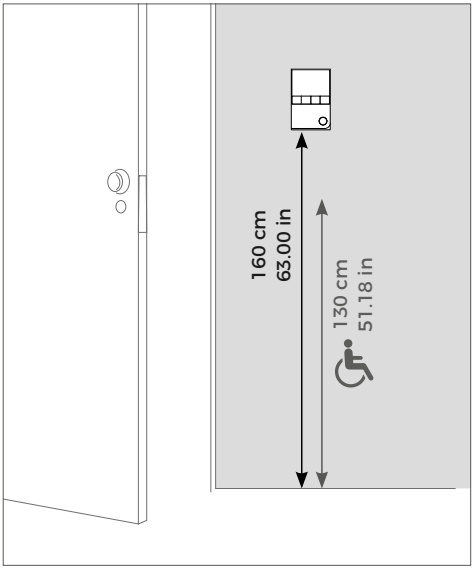
Should there already be an indoor station on the wall, please remove it.

STEP 3: DETERMINING THE ASSEMBLY LOCATION

The device is designed for indoor-use only.

Recommended installation height: 160 cm / 63 in
Recommended installation height for people with impairments / disabilities: 130 cm / 51 in





Power over Ethernet (PoE) Switch

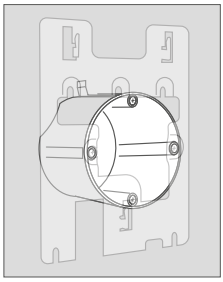
Router with High-speed Internet, DHCP

Seperate power supply 15 V DC, 1 A

Seperate power supply 12 V DC, 1 A

Network cable

2-wire-cable



The mounting bracket may be used in connection with a standard 68 mm (2.68 in) hollow-wall box, which means you do not have to drill separate holes into the wall: You can use the existing screw holes of the hollow-wall box and skip STEP 4.

If there is no hollow-wall box at the assembly location: Press the drilling template of the device against the wall or ceiling at the desired installation site and mark the boreholes with a pencil. Remove the drilling template again. Ensure that no cables are to be found in the wall or ceiling behind the boreholes.

As an alternative to wall mounting, you can also mount the device on a table stand (DoorBird A8003 Table Stand for IP Video Indoor Station A1101).

STEP 4: DOWELS

If the wall of the house is not made of wood, you should drill dowel holes 5 mm in diameter in the wall according to the drilling template and then place the dowels provided into the boreholes.

If you must drill holes in a wall, insert screws into a wall or lever up a wall, ensure that no cables or mains (gas, water, etc.) are to be found in the wall.

If the wall of the house is made of wood, dowels are normally not required. There are special dowels for assembling the device on an insulating wall, e.g. Fischer insulating dowels.

Please check with your insulating material manufacturer regarding which dowels they recommend.

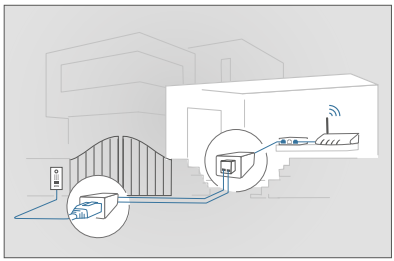
STEP 5: NETWORK CONNECTION OPTIONS

You can connect the device to the network by either using a network cable or a WiFi 2.4 GHz connection.

OPTION 1: NETWORK CABLE (RECOMMENDED, MAINTENANCE FREE)

Install a network cable (which is plugged into a network switch / router with Internet access) from the inside of your building to the assembly location. The network cable between the assembly location and the network switch / router can have a maximum length of 80 m/262 ft (IEEE 802.3). If you must span a distance of more than 80 meters/262 feet you can put a network switch inbetween.

If you have only two wires available at the assembly location, you may use the "DoorBird 2-Wire Ethernet PoE Converter A1071", sold separately. It allows you to transfer network data (Ethernet) and power (PoE) with a simple two-wire cable over long distances. For example, existing buildings with a simple two-wire bell wire can be equipped with network technology without having to retrofit any network cables.



OPTION 2: WIFI 2.4 GHZ

For reasons of network stability, we principally recommend using a network cable, as WiFi is sensitive to interference (range, house walls acting as shields, reliability of performance, third party WiFi networks, wireless transmitters causing interference in the area, etc.).

When using WiFi please make sure you have a good WiFi signal at the assembly location of the device. You can increase the WiFi signal by using so called "WiFi repeaters", which can boost your WiFi signal. You should install such a WiFi repeater close to the assembly location of the device, typically inside your home and close to the device.

STEP 6: PREPARE POWER SUPPLY

The device does not have a battery as power supply, therefore, choose one of the following options.

OPTION 1: POWER SUPPLY USING THE POWER SUPPLY UNIT (MAINS ADAPTOR)

To power the device using the provided mains adapter, 2 insulated wires are required. The power supply unit has a 300 cm (9.8 ft) long cable with two insulated wires. The network connection is then established via a network cable or alternatively via WiFi.

The provided mains adaptor is only capable to power one device. It is not designed to power multiple devices simultanously.

If you must power more than one device with one power supply, we recommend to use a PoE-Switch with PoE Standard IEEE 802.3af Mode A or an appropriate DIN rail power supply (see “OPTION 3”).

NOTICE Do not plug the power supply unit into the wall socket yet.

Only use the power supply unit (see “OPTION 3”) provided along with the device, or a DIN-rail power supply unit that you can obtain from us separately, since this has been specially stabilized electrically and is equipped with an integrated audio interference reduction device. Other power supply units may destroy the device or cause poor transmission quality. The warranty automatically expires if you use a different power supply unit.

The power supply unit is plugged into a wall socket inside your house (Step 10), usually where the two wires from your assembly location come out of the wall in the interior of the house.

The provided mains adapter is not outdoor-ready, it is for indoor-use only.

OPTION 2: POWER SUPPLY AND NETWORK CONNECTION USING POE (POWER OVER ETHERNET)

To power the device via a PoE-Switch (e.g. D-Link DGS-1008P) or PoE-Injector (e.g. DoorBird Gigabit PoE Injector A1091), use a CAT.5 cable or higher in accordance with the PoE standard IEEE 802.3af Mode A.

A CAT.5 cable or higher must be used for this purpose, as network signals can only be transmitted over completely insulated, shielded and twisted cables. If you use PoE as a source of power, the four wires for PoE then simultaneously form the data line. The device will not start if your PoE-Switch/PoE-Injector does not support the PoE Standard IEEE 802.3af Mode A. Please check www.doorbird.com/poe for known incompatibilities.

If you must power more than one device with one power supply, we recommend to use a PoE-Switch with PoE Standard IEEE 802.3af Mode A or an appropriate DIN rail power supply (see “OPTION 3”).

Theoretically (not recommended by us!), an unshielded, but over the whole length (max. 80 m/262 ft) twisted bell wire with two pairs of wires (first twisted pair of wires: ”T+, T-“, second twisted pair of wires ”R+, R-“) can be used for the network and PoE transmission as an alternative to a Cat.5 network cable or better. This is comparable to a Cat.3 network cable. In this case, however, we cannot guarantee the data throughput or the stability of the network connection and power supply; this must be measured and checked on site by qualified personnel over several hours (network data is transmitted at high frequency, therefore a shielded Cat.5 network cable twisted in pairs or better must normally be used).

NOTICE Do not combine the power supply from the power supply unit (mains adaptor) with the power supply via PoE.

You can find further information about PoE here: www.doorbird.com/poe

1. Disconnect the PoE-Switch or PoE-Injector from the power grid.
2. Place the network cable in the installation site of the device.

OPTION 3: POWER SUPPLY USING A DIN RAIL POWER SUPPLY UNIT

Alternatively to the mains adapter, we offer DIN rail power supplies in our online shop, which can be installed by a specialist. The network connection is then made via a network cable or alternatively via WiFi.

If you must power more than one device with one power supply, we recommend to use a PoE-Switch with PoE Standard IEEE 802.3af Mode A or an appropriate DIN rail power supply.

Planning information to power multiple devices with a single DIN rail power supply unit

You must plan the cabling for the DIN rail power supply of the devices carefully, if you want to install more than one device in your building with a single DIN rail power supply unit.

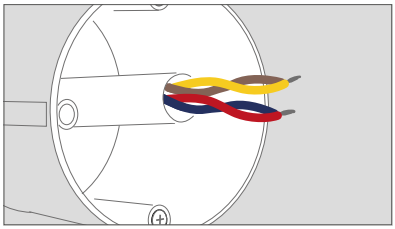
The device has a power consumption of 5 Watt and an input voltage range from 15 to 48 VDC.

Each cable / wire has a specific load limit and loop resistance and power loss for physical reasons. The planning of the cabling, maximum number of devices and power supply depends on this. The following information will help you to plan the power supply installation in the building.

Please calculate the maximum number of devices and the power supply carefully, matching to the wire diameter and cable length. Wrong calculation and installation can lead to overheating, damage, electrical short and fire.

The wire diameter is the inner metal core only, not the inner metal core plus the jacket.

Often more than two wires are available on-site for the connection of an indoor station. The maximum current can be doubled to increase the maximum number of installable devices by using two wires for one core. In this case, the two wires must be twisted at both ends. The applied voltage must not exceed 48 VDC.

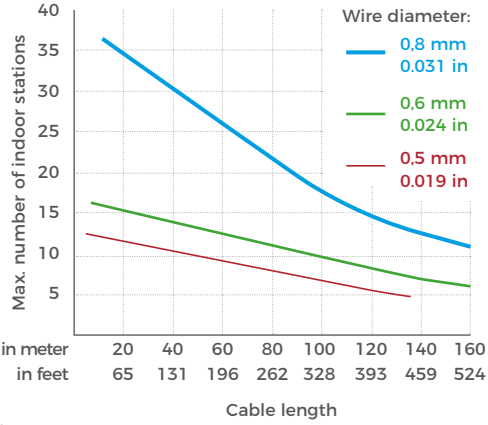


If shielded cables are used, the shielding should be connected to each other.

INFORMATION FOR PLANNERS OF **NEW BUILDINGS**

If you know how many devices must be installed and you know the length of the cables, you can check the following chart to see which wire diameter is required.

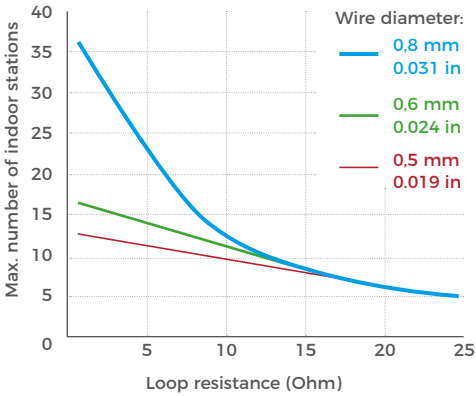
The following scenario is calculated and visualized in a chart under the worst-case scenario that all devices are connected to the rearmost end of cable in the building. In practice, the devices are distributed more or less evenly over the cable length / floors.



INFORMATION FOR PLANNERS OF **EXISTING BUILDINGS**

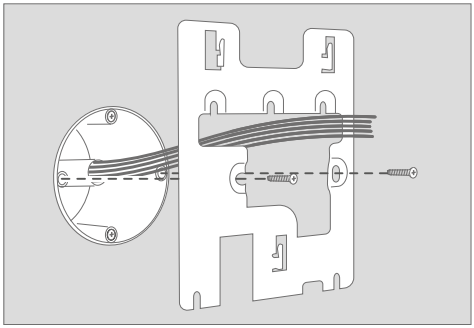
The length of the cables in existing buildings is often unknown and can only be roughly estimated. The diameter of the wires and the loop resistance (ohm) are known or at least easy measurable. This makes it possible to determine the maximum number of devices that can be connected to a single wire pair.

The following scenario is calculated and visualized in a chart under the worst-case scenario that all devices are connected to the rearmost end of cable in the building. In practice, the devices are distributed more or less evenly over the cable length / floors.



The loop resistance can easily be measured by switching off the power supply on the wires to be measured and applying a short-circuit to the lines to be measured on one side and measuring the resistance on the other side of the wires with a multimeter.

STEP 7: ASSEMBLE THE MOUNTING BRACKET



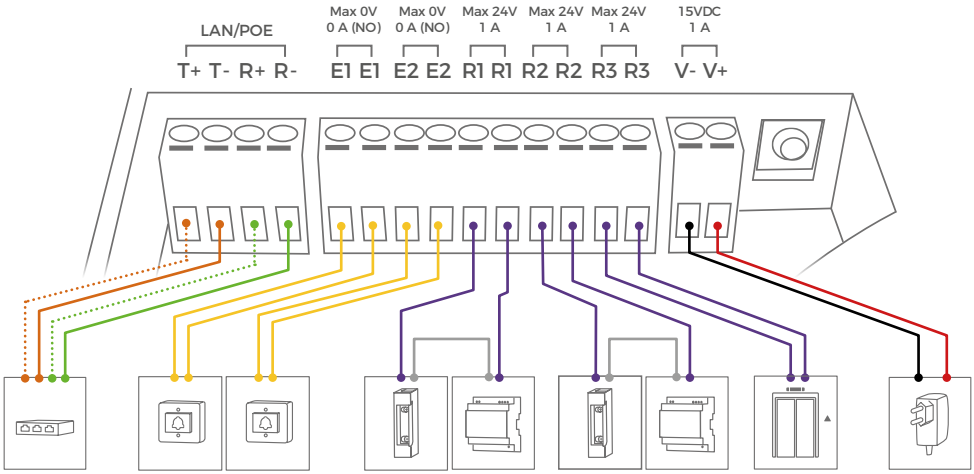
Lead all cables and wires you want to connect to the device through the mounting bracket. Screw the mounting bracket to the wall.

STEP 8: CONNECTING THE DEVICE

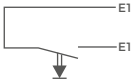
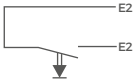
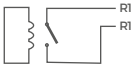
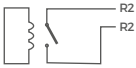
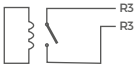
It is possible to connect the cables and wires to the device conveniently and safely via the labelled screw connection terminal. You can connect all necessary cables and wires to the device now.

For easier installation we strongly recommend to remove the plug from screw connection terminal while you connect the cables and wires.

NOTICE Please remove any cables and wires from the connection ports of the device that you do not need.

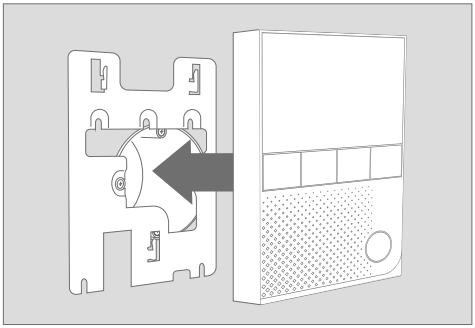


PORT	DESCRIPTION
LAN/POE	The device does not have an integrated standarized RJ45 socket to ensure ... • that the device rests as flat as possible on the wall. • that no wall needs to be levered up. • that a strong and inflexible Cat.6 or Cat.7 installation cable can be used. Use only four wires (1, 2, 3 and 6) of a standard Network cable Cat.5 or better, coming from the Internet Router/PoE-Switch/PoE-Injector. **Cat.5 / Cat.6 Network cable** T+ White and orange network cable wire (Number 1, Transmit Data +) T - Orange network cable wire (Number 2, Transmit Data -) R+ White and green network cable wire (Number 3, Receive Data +) R - Green network cable wire (Number 6, Receive Data -) **Cat.7 Network cable (Installation cable)** T+ White network cable wire from pair "orange/white" (Number 1, Transmit Data +) T- Orange network cable wire from pair "orange/white" (Number 2, Transmit Data -) R+ White network cable wire from pair "green/white" (Number 3, Receive Data +) R- Green network cable wire from pair "green/white" (Number 6, Receive Data -) NOTICE Do not power the device simultaneously via the power supply from the power supply unit (mains adaptor) and the power supply via PoE.

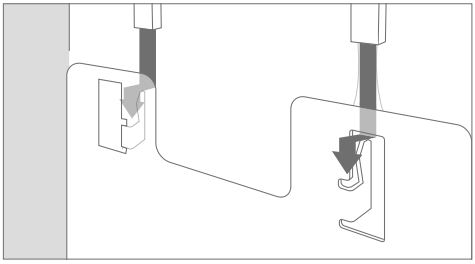
E1, E1 	Digital input (0 V, 0 A (NO)), e.g. for storey-call button NOTICE Please make sure to add no voltage on these ports. Extra voltage may destroy the device immediately.
E2, E2 	Digital input (0 V, 0 A (NO)), e.g. for a second storey-call button NOTICE Please make sure to add no voltage on these ports. Extra voltage may destroy the device immediately.
R1, R1 	Bi-stable latching relay #1, max. 24 V DC/AC, 1 Ampere. Security feature: The relay keeps its state even in the case of loss of power. You can configure the default state of the relay (open/close) via the DoorBird App. These ports can be used to connect e.g. an electric door opener or to call an elevator. The device does not supply power to the connected device. The power supply for the electric door opener must be installed separately.
R2, R2 	Bi-stable latching relay #2, max. 24 V DC/AC, 1 Ampere. Security feature: The relay keeps its state even in the case of loss of power. You can configure the default state of the relay (open/close) via the DoorBird App. These ports can be used to connect e.g. an electric door opener or to call an elevator. The device does not supply power to the connected device. The power supply for the electric door opener must be installed separately.
R3, R3 	Bi-stable latching relay #3, max. 24 V DC/AC, 1 Ampere. Security feature: The relay keeps its state even in the case of loss of power. You can configure the default state of the relay (open/close) via the DoorBird App. These ports can be used to connect e.g. an electric door opener or to call an elevator. The device does not supply power to the connected device. The power supply for the electric door opener must be installed separately.
15 VDC -	15 to 48 V DC Power supply input, negative pole (-). Please connect the black wire of the power supply unit (mains adaptor) supplied with this device if you do not power the device using PoE. NOTICE Do not power the device simultaneously via the power supply from the power supply unit (mains adaptor) and the power supply via PoE.
15 VDC +	15 to 48 V DC Power supply input, positive pole (+). Please connect the red wire of the power supply unit (mains adaptor) supplied with the device here, if you do not power the device using PoE. NOTICE Do not power the device simultaneously via the power supply from the power supply unit (mains adaptor) and the power supply via PoE.

NOTICE Please take care when connecting the cables and wires. Connecting the cables and wires the wrong way may damage the device. Wires without insulation material must not protrude out of the screw connection terminal plugs, it may lead to electrical short and damage the device.

STEP 9: ASSEMBLE THE DEVICE TO THE MOUNTING BRACKET



Put the device on the mounting bracket.



Pull the device down carefully, so it locks in place.

STEP 10: ACTIVATE THE DEVICE

If the device is to be supplied with power by a mains adapter, plug the power adapter of the device into a wall socket. If the device is to be powered via PoE, switch on the PoE-Switch/ PoE-Injector which is connected to the device. If the device is to be powered via DIN-rail power supply, switch on the DIN-rail power supply.

The Diagnostic-LEDs indicate whether the device is supplied with power. These LEDs light up in blue color immediately after you have connected the device to the power supply. The device is now ready for operation.

If the Diagnostic LED does not light up, please check the power supply. When using a wall-plug power supply and not PoE please check whether you have connected the positive pole and negative pole to the device correctly.

Please note that the Diagnostic-LEDs are different to the Status Bar LEDs. The LEDs used for the LED Status Bar can illuminate the Status Bar all-over and in almost any color.

The device is ready for operation (booting up process, any software updates, etc.) once it has emitted a short diagnosis sound from the integrated loudspeaker. This may last for up to 5 minutes. Should you not hear a sound, please check the power supply. When using a wall-plug power supply and not PoE please check whether you have connected the positive pole and negative pole to the device correctly.

STEP 11: DOWNLOADING AND INSTALLING THE APP

Download the "DoorBird" App by Bird Home Automation onto your mobile device from the Apple App Store or Google Play Store. You can always find the most up-to-date version of the App manual on www.doorbird.com/support

If you use WiFi for connecting the device to your Internet Router, first go to the DoorBird App "⚙ > WiFi Setup" and follow the instructions.

If you have finished the WiFi setup or have connected the device to your Internet Router by means of a network cable, go to the DoorBird App "⚙ > Administration" and log in to the Administration area of the DoorBird Video Door Station (using the authentication details of the desired Video Door Station!) you would like to pair the device with (using the authentication details of the desired Video Door Station!). To pair the device there, go to "Peripherals > ⚙ > Add".

If you have problems adding the device to the App please check if the device is online (www.doorbird.com/checkonline). If the device is not online, please check the WiFi or network cable connection again. The device is designed to be installed in single-family homes, offices and multi-unit residential dwellings. Ring volume, ring tone etc. can be configured using the touch screen of the device by the end-user. All other configuration options like weather station, user credentials, parental mode (PIN settings) etc. are available for security reasons protected with administrator credentials through the DoorBird App, to avoid that residents misconfigure the device accidentially or intentionally.

END-USER GUIDE

If you are an installer or property manager, you can download an end-user guide which you can pass to the resident here: www.doorbird.com/downloads/end_user_guide_a1101_en.pdf

DIAGNOSTIC LEDS

You can see if the device is powered by checking the Diagnostic LEDs, which lights up a immediately after the power is connected.

DIAGNOSTIC SOUNDS

After around one minute, the device emits brief diagnostic sounds after it has been connected to power supply / network / internet.

TROUBLESHOOTING

The device does not power up
If the device is to be supplied with power by a mains adapter, plug the power adapter of the device into a wall socket. If the power adapter was already plugged into a wall socket, check if the cables and wires are correctly connected to the screw connection terminal. In most cases, removing the cable and wires from the screw connection terminal plug and reconnecting them to the screw connection terminal plug helps (loose contact). If you are powering more than one device simultanously with one mains adapter, check if the mains adapter is able to deliver enough power over the full cable length.

If the device is to be powered via PoE, switch on the PoE-Switch/ PoE-Injector which is connected to the device. If the PoE-Switch/ PoE-Injector was already switched on, check if the cables and wires are correctly connected screw connection terminal. In most cases, removing the cable and wires from the screw connection terminal plug and reconnecting them to the screw connection terminal plug helps (loose contact). If the problem still exists, please check if your PoE-Switch / PoE Injector supports the PoE Standard IEEE 802.3af Mode A, see also www.doorbird.com/poe

If the device is to be supplied with power by a DIN-rail power supply, switch on the DIN-rail power supply If the DIN-rail power supply was already switched on, check if the cables and wires are correctly connected to the screw connection terminal. In most cases, removing the cable and wires from the screw connection terminal plug and reconnecting them to the screw connection terminal plug helps (loose contact). If you are powering more than one device simultanously with one DIN-rail power supply, check if the DIN-rail power supply is able to deliver enough power over the full cable length.

The device does not connect to network via WiFi ("No Network" diagnosis sound)

In most cases, your WiFi signal is weak. Please perform the WiFi Setup again using the DoorBird App.

You can increase the WiFi signal by using so called "WiFi repeaters", which can boost your WiFi signal. You should install such a WiFi repeater close to the assembly location of the device, typically inside your home and close to the device.

If the problem still exists, please check if your WiFi Router / WiFi Access Point does not block device, e.g. through a MAC address filter.

If the problem still exists, please check if your WiFi Router / WiFi Access Point has DHCP turned on and is able to assign an IP address to the device.

The device does not connect to network via network cable ("No Network" diagnosis sound)

In most cases, removing the cable and wires from the screw connection terminal plug and reconnecting them to the screw connection terminal plug helps (loose contact).
If the problem still exists, please check if the network cable is properly connected to your router / switch and the network cable is not broken.

If the problem still exists, please check if your Router has DHCP turned on and is able to assign an IP address to the device.

The device does not connect to Internet ("No Internet" diagnosis sound)

In most cases, your Internet is down or your router blocks Internet access for the device. Please see www.doorbird.com/downloads/ports.pdf

TECHNICAL SPECIFICATIONS

GENERAL	
Mounting type	Surface-mounted, Table Stand "A8003" sold separately
Power supply	15 - 48 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Weight	336 g
Connectors	• LAN/PoE (T+, T-, R+, R-) • Digital input (0 V, 0 A (NO)) #1, e.g. for a storey-call button • Digital input (0 V, 0 A (NO)) #2, e.g. for a second storey-call button • Bi-stable latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener or elevator • Bi-stable latching relay # 2, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener or elevator • Bi-stable latching relay # 3, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener or elevator • 15 - 48 V DC input (+, -), max. 15 W
Power consumptions	5 W
Approvals	CE, FCC, IC, RoHS, IP50
Dimensions	179.5 x 115 x 25 mm (H x W x D) 7.07 x 4.53 x 0.98 in (H x W x D)
Operating conditions	0 to +55°C / 32 to 131°F Humidity 0 % to 85 % (non condensing)
Scope of delivery	1 x IP Video Indoor Station 1 x Mounting bracket 1 x Power supply unit (main adaptor) with four country-specific adaptors (110 - 240 V AC to 15 V DC) 1x Quickstart guide with Digital Passport 1 x Installation manual 1 x Small parts
EAN	4260423860902
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
Supported door stations	Any DoorBird IP Video Door Station
DISPLAY	
Dimensions	4" True Color LCD
Touch	Yes, capacitive
Resolution	800 x 480 px
IPS	Yes
AUDIO	
Audio components	Speaker and microphone, echo and noise cancellation (AEC, ANR)
Audio streaming	Two-way
NETWORK	
Ethernet	PoE 802.3af Mode-A
WiFi	802.11 b/g/n 2.4 GHz
INTEGRATED WIRELESS MODULES	
WiFi	802.11 b/g/n 2.4 GHz
OPTIONAL ACCESSORIES	
Sold separately	see www.doorbird.com/buy

Errors and omissions excepted.

LEGAL NOTES

General remarks

1. DoorBird is a registered trademark of Bird Home Automation GmbH.

2. Apple, the Apple logo, Mac, Mac OS, Macintosh, iPad, Multi-Touch, iOS, iPhone and iPod touch are trademarks of Apple Inc.

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8. The design of this manual is subject to copyright protection. We do not accept any liability for any errors or any erroneous content or printing errors (even in the case of technical specifications or within graphics and technical sketches).

9. Our products are in compliance with all technical guidelines, electrical and telecommunications regulations applicable in Germany, the EU and the USA.

Data privacy and data security

1. For maximum security, the device uses the same encryption technologies as are used in online banking. For your security, no port forwarding or DynDNS is used either.

2. The data centre location for remote access over the Internet by means of an App is obligatory in the EU if the determined Internet IP-Address location of the device is within the EU. The data centre is operated in line with the most stringent security standards.

3. Video, audio and any other surveillance methods can be regulated by laws that vary from country to country. Check the laws in your local region before installing and using this device for surveillance purposes.

If the device is a door-, indoor station or camera:

- In many countries video and voice signal may only be transmitted once a visitor has rung the bell (data privacy, configurable in the App).
- Please carry out the mounting in such a way that the detection range of the camera limits the device exclusively to the immediate entrance area.
- The device may come with a visitor history and motion sensor. You can activate/deactivate this function if required.

If necessary, indicate the presence of the device in a suitable place and in a suitable form.

Please observe any relevant country-specific statutory regulations concerning the use of surveillance components and surveillance cameras applicable at the installation site.

Check with the property owner and your house community if you are allowed to install and use this product. Bird Home Automation GmbH cannot be held responsible for any miss-use or miss-configuration of this product, including the unauthorized opening of a door.

Bird Home Automation cannot be held responsible for damages caused by improper existing installations or improper installation.

Software and operating system's updates (so-called "firmware updates") are generally automatically installed on the products of Bird Home Automation GmbH via Internet, if technically possible. Automatic firmware updates keep the products' software up to date so that they always work reliably, safely and efficiently. Through further development, features can be added, extended or slightly changed. Major changes or limitations to existing features will generally occur if Bird Home Automation GmbH deems it necessary (e.g. for data protection, data security or stability reasons, or to keep them up to date). When a firmware update is available, Bird Home Automation GmbH's servers generally automatically distribute it to all compatible products connected to the Internet or Bird Home Automation GmbH's servers. This process is gradual and can take several weeks. As soon as a product receives a firmware update, the system will be installed and will restart by itself. Installed firmware updates cannot be undone. Since the products and software of Bird Home Automation GmbH are not explicitly customer-specific products, a customer cannot deny an automatic update if the product is connected to the Internet or to the Bird Home Automation GmbH's server.

Instructions for disposal

Do not dispose of the device with regular domestic waste. Electronic equipment must be disposed e.g. at local collection points for waste electronic equipment in compliance with the Waste Electrical and Electronic Equipment Directive.

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