

wantec

MONOLITH C IP

SIP/IP
TÜRSPRECHSTELLE



Betriebsanleitung

wide area network technology

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1. Montage

1.1. Packungsinhalt

In der Verpackung finden Sie folgenden Inhalt:

- 1 x MONOLITH C IP Grundgerät
- 1 x Innensechskantschlüssel 2,5mm lang
- 1 x Innensechskantschlüssel 2,5mm kurz
- 1 x Innensechskantschlüssel 3mm kurz
- 1 x Moosgummidichtung als Ersatz

1.2. Benötigtes Zubehör

Zur Montage der MONOLITH C IP benötigen Sie einen der folgenden Montagekästen:

- Art. Nr. 4100 Unterputzkasten tief
- Art. Nr. 4102 Unterputzkasten flach
- Art. Nr. 4103 Aufputzkasten flach
- Art. Nr. 4104 Aufputzkasten mit Wetterschutz

Sollten Sie einen bereits eingebauten Unterputzkasten mit der Art. Nr. 5551 der MONOLITH Serie verwenden wollen, benötigen Sie den Adapterrahmen Art. Nr. 4106. Des Weiteren brauchen Sie ein Netzkabel für den Anschluss der MONOLITH C IP.



1.3. Montage mit Unterputzkasten

Die Unterputzkästen werden in der Wand versenkt eingebaut. Achten Sie darauf, dass der Kasten eben mit der späteren Putzoberfläche ist.

Die Einbauhöhe sollte für eine MONOLITH C mit Kamera ca. 1,30-1,40m an der Unterkante des Unterputzkastens betragen.

Beim Unterputzkasten kann die Höhe um einige Millimeter durch das Unterlegen von M5 Scheiben variiert werden.

1.4. Montage mit Aufputzkasten

Der Aufputzkasten wird mit den beiliegenden M4x40 Schrauben und Dübeln an der Wand befestigt. Bei Gasbeton oder Ziegelwänden können andere Schrauben und Dübel benötigt werden, diese sind bauseits zu stellen.

1.5. Beschriften des Namenschildes

Legen Sie die MONOLITH C IP auf eine weiche Unterlage, um die Front nicht zu verkratzen. Das Frontglas ist zwar schlag- aber nicht kratzfest. Entfernen Sie die vier Langmuttern und stecken Sie den Klingeltaster-Anschlussstecker aus. Nun können Sie die Frontplatte abnehmen. Bedrucken Sie die beigelegte Folie mit einem Laserdrucker. Eventuell muss die Größe der Folie noch angepasst werden. Hierfür können Sie das Frontglas als Schablone verwenden. Setzen Sie die Frontplatte gemeinsam mit dem Frontglas wieder auf die MONOLITH und stecken Sie den Anschlussstecker für den / die Klingeltaster auf der Platine wieder ein. Richten Sie die Löcher der Frontplatte sauber aus und befestigen Sie diese wieder mit den vier Langmuttern.

1.6. Montage der Monolith C IP im Montagekasten

Einbau im Montagekasten

Die MONOLITH C IP wird in den Montagekasten eingesetzt und zuerst oben in die Haltetaschen eingesetzt. Anschließend wird die MONOLITH C IP leicht nach oben gedrückt und unten in den Kasten eingeführt. Danach werden in den äußeren Bohrungen neben dem Mikrofon die Innensechskantschlüssel 2,5mm lang und kurz eingesteckt.

Nun werden beide Schlüssel gleichmäßig angezogen bis die MONOLITH C IP an der Wand oder im Aufputzkasten sauber anliegt.

Öffnen des Gehäuses

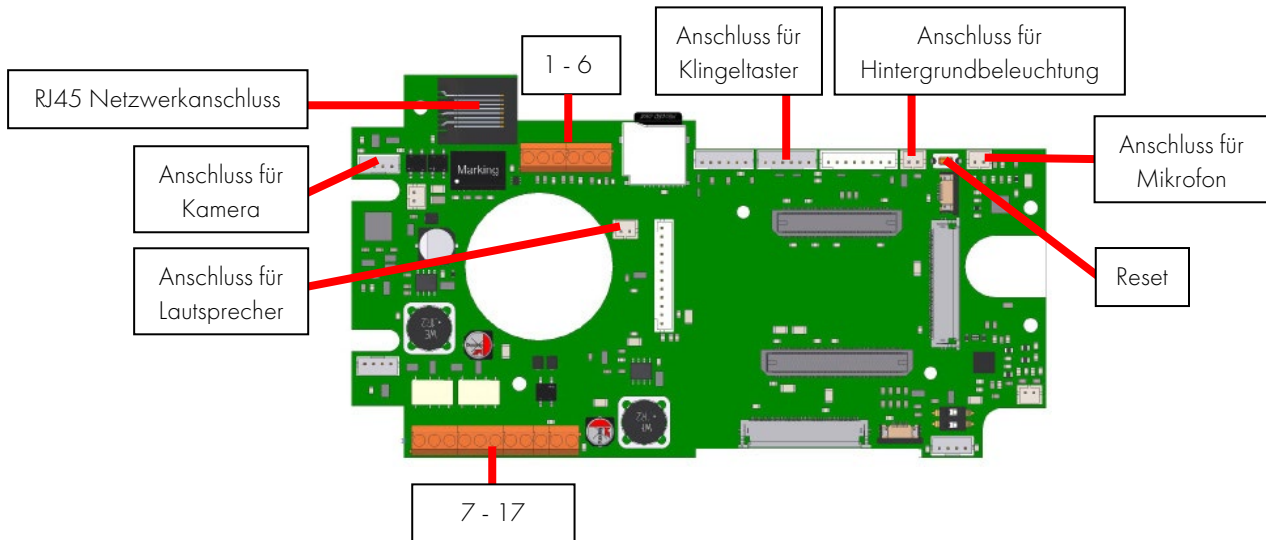
Stecken Sie beide Innensechskantschlüssel in das ganz rechte und ganz linke Loch neben dem Mikrofon.

Drehen Sie nun beide Schlüssel gleichmäßig gegen den Uhrzeigersinn bis sie ein Klicken hören.

Ziehen Sie die Frontplatte unten ca. 10mm nach außen und dann mind. 2mm nach unten. Nun können Sie die MONOLITH C entnehmen.

2. Anschluss

2.1. Lage der elektrischen Anschlüsse



Klemmen 1- 17	Funktion
1	Ethernet 7+8 (weiß/braun und braun)
2	Ethernet 4+5 (weiß/blau und blau)
3	Ethernet 2 (orange)
4	Ethernet 1 (weiß/orange)
5	Ethernet 6 (grün)
6	Ethernet 3 (weiß/grün)
7	Relais 1 NC (Normal geschlossen)
8	Relais 1 COM
9	Relais 1 NO (Normal offen)
10	Relais 2 NC (Normal geschlossen)
11	Relais 2 COM
12	Relais 2 NO (Normal offen)
13	nicht belegt
14	Eingang 12V DC + / verpolungssicher
15	Eingang 12V DC - / verpolungssicher
16	nicht belegt
17	nicht belegt

Wichtige Hinweise:

- Bei Klemme 1 und 2 werden beide Kabel zusammen eingeklemmt
- **RJ45 Anschluss** - Für den direkten Anschluss an ein Netzwerk. Es ist ein geschirmtes Kabel zu verwenden
- **SD- Card** - SD- Karte ist für spätere Erweiterungen

2.2. Anschluss der Monolith C IP

Stromversorgung: Die Stromversorgung kann wahlweise über PoE oder Klemme 14+15 erfolgen.

Relais: Es können an 2 Relais Geräte angeschlossen werden. Der Schaltkontakt ist potentialfrei und bis zu 48V/1A belastbar.

2.3. Werkseinstellung

Wird der Reset-Taster für 15 Sekunden gedrückt, wird die MONOLITH C IP auf Werkseinstellung zurückgesetzt.



3. Einrichtung

3.1. Programmierung der Monolith C IP

Rufen Sie von einem PC im Netzwerk die IP Adresse der MONOLITH C IP auf. Je nach Bootvorgang ist diese die Grundeinstellung:

Bei gedrückter Klingeltaste 1 bis zum Ton während des Bootens

192.168.1.222

Bei Booten ohne gedrückte Klingelaste DHCP

Nun erscheint ein Anmeldefenster, geben Sie dort folgende

Daten ein:

wantec	Monolith-IP	
Anmelden		
Benutzer	<input type="text" value="admin"/>	<input type="button" value="Anmelden"/>
Passwort	<input type="password" value="••••"/>	

Benutzer: admin

Passwort: 1234

Das Passwort sollte später unbedingt geändert werden, um unberechtigte Zugriffe auszuschließen.

Sie sehen nun folgenden Startbildschirm:



3.2. Netzwerk (LAN)

wantec Monolith-IP

Geben Sie die IPv4-Adresse an, unter der die Monolith-IP im lokalen Netzwerk erreichbar ist. Übernehmen

LAN

MAC-Adresse ec:24:b8:b7:ec:f9

Methode

Dynamisch (DHCP)

Statisch

IP-Adresse

Netzmaske

Gateway

DNS

<u>Methode</u>	<u>Bedeutung</u>
Dynamisch	IP Adresse wird vom DNS Server bezogen
Statisch	IP Adresse wird fest vergeben

IP Adresse	Statische IP Adresse
Netzmaske	Daten der Netzmaske
Gateway	IP Adresse des Gateways
DNS Server	IP Adresse des DNS Servers

3.3. Video



Konfiguration der Auflösung und Bildwechselfrequenz

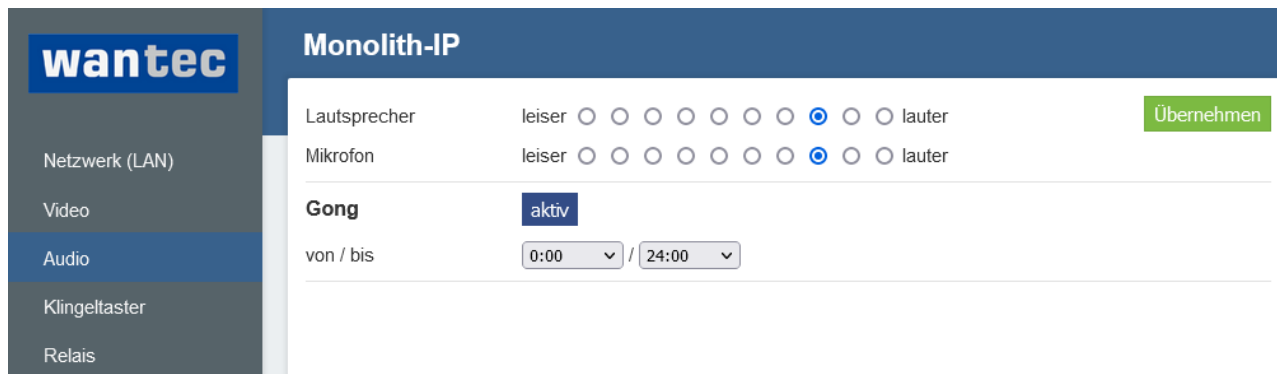
Auflösung	Folgende Auflösungen sind verfügbar: 1280x720, 800x600, 640x480
Bildwechselfrequenz	Anzahl der gesendeten Bilder pro Sekunde
Bilderfassung nur bei Klingelruf	aktiv = Die Kamera bleibt so lange deaktiviert, bis der Klingeltaster gedrückt wird. inaktiv = Der Kamerastream wird immer gesendet

Unter „URL-Adressen zur Bildanzeige“ finden Sie die den jeweiligen Link für den MJPEG Kamerastream, ein großes Standbild in der eingestellten Auflösung und ein kleines Standbild in einer reduzierten Auflösung.

Rechtlicher Hinweis:

Eine Video Türsprechanlage darf nicht für die Beobachtung oder Aufzeichnung öffentlicher Flächen, privater Grundstücke von dritten Personen und Orten bzw. Flächen, die von mehreren Personen gleichzeitig genutzt werden können (z.B. Gehwege, gemeinsame Einfahrten, Parkplätze), verwendet werden. Die Videoüberwachung als solche muss für alle Personen, die den überwachten Bereich betreten könnten, z.B. durch Anbringen eines entsprechenden Warnschildes, gut sichtbar gekennzeichnet werden.

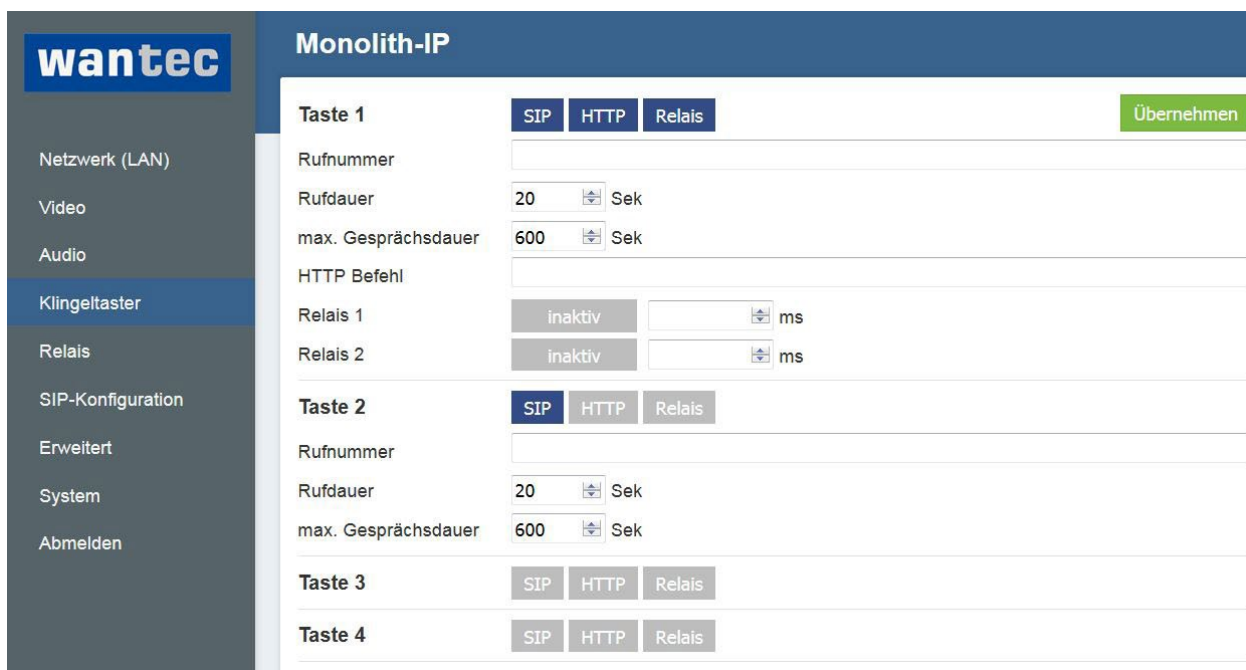
3.4. Audio



Die Lautstärke des Lautsprechers und des Mikrofons kann in 10 Stufen eingestellt werden.

Unter dem Punkt „Gong“ können Sie einstellen, ob und in welchem Zeitraum (Tageszeit) die Klingeltaster-Betätigung auch für den Besucher akustisch signalisiert werden soll.

3.5. Klingeltaster





Hier werden die Rufziele der Tasten eingegeben. Es kann eine Rufnummer, ein HTTP-Befehl und die Relaissteuerung programmiert werden.

Buttons SIP, HTTP und Relais anklicken (blau = aktiv, grau = inaktiv):

Rufnummer	Hier geben Sie die zu wählende Rufnummer ein, diese kann die Zahlen 0-9 und * sowie # umfassen
Rufdauer	Rufdauer in Sekunden, danach legt die Sprechstelle auf
HTTP Befehl	Hier geben Sie einen HTTP Befehl ein der beim Drücken der Klingeltaste ausgelöst werden soll
Relais 1 + 2	Funktion des Relais beim Drücken einer Taste. blau = aktiv, grau = inaktiv, Zeit der Aktivierung in Millisekunden. 1 Sekunde = 1000 Millisekunden. Bereich 50 ms bis 99999 ms.

3.6. Relais

The screenshot shows the 'wantec Monolith-IP' configuration page. On the left is a sidebar with the 'wantec' logo and a menu: Netzwerk (LAN), Video, Audio, Klingeltaster, Relais (highlighted), SIP-Konfiguration, Erweitert, System, Abmelden. The main content area is titled 'Monolith-IP' and contains the following configuration options:

- Relais 1:** Status: aktiv (blue button), Duration: 1000 ms, Action: Übernehmen (green button).
- Relais 2:** Status: inaktiv (grey button).
- HTTP Befehl:** Status: aktiv (blue button), DTMF: [empty field], URL: [empty field].

Hier wird die Relaissteuerung per DTMF programmiert. Es können 2 Relais und ein HTTP Befehl, um z.B. ein externes Relais über HTTP anzusteuern, programmiert werden.





Button aktiv / inaktiv für Relais 1 und 2

Relais 1 + 2	
Aktiv	Hier wird das Relais aktiviert/deaktiviert
DTMF	1-5 stelliger Code mit 0-9 für Aktivierung
Dauer	Zeit der Aktivierung in Millisekunden. 1 Sekunde 0 1000 Millisekunden. Bereich 50 ms bis 99999 ms

Button aktiv / inaktiv für HTTP Befehl

HTTP Befehl	
Aktiv	Hier wird das Senden eines HTTP Befehls aktiviert
DTMF	1-5 stelliger Code mit 0-9 für Aktivierung
URL	Hier geben Sie den abzusendenden HTTP Befehl ein

3.7. SIP-Konfiguration

The screenshot shows the 'SIP-Konfiguration' page in the 'Monolith-IP' web interface. On the left is a sidebar with the 'wantec' logo and menu items: Netzwerk (LAN), Video, Audio, Klingeltaster, Relais, SIP-Konfiguration (highlighted), Erweitert, System, and Abmelden. The main content area is titled 'Monolith-IP' and contains two sections: 'Registrierung' and 'Annahme'. The 'Registrierung' section has a status toggle set to 'aktiv' and a green 'Übernehmen' button. Below it are input fields for 'Server', 'Benutzername', 'Authentifizierungsname', and 'Passwort' (masked with '***'). The 'Status' is shown as a single dot. The 'Annahme' section also has a status toggle set to 'aktiv' and a radio button selected for 'automatische Annahme'.


Hier werden die Anmeldedaten des SIP-Servers eingetragen.





Aktiv	SIP Server wird verwendet
Domäne	IP-Adresse des SIP-Servers
Benutzername	Der vom SIP Server vergebene Benutzername
Passwort	Das vom SIP-Server vergebene Passwort
Status	Rot = Registrierung fehlgeschlagen Grün = Registrierung erfolgreich
Annahme	Ist die Annahme aktiv nimmt die MONOLITH kommende Gespräche sofort an, ansonsten werden keine Gespräche angenommen

3.8. Erweitert



Monolith-IP

System-Name Übernehmen

Name der TFE

Sprache

ADMIN-Passwort APIADMIN inaktiv

Altes Passwort

Neues Passwort

Passwort bestätigen

Altes Passwort

Neues Passwort

Passwort bestätigen

Uhrzeit-Einstellung

Zeit-Server aktiv

Server

Zeitzone

Status ●

Zeit 16:32:28



System Name	Hier tragen Sie den Namen der Anlage ein
Sprache	Sprache des Netzwerkinterface
ADMIN-Passwort	Das Passwort sollte hier geändert werden
Uhrzeit-Einstellung	Hier können Sie den Zeitserver einstellen, den die MONOLITH C IP verwendet.

3.9. System

The screenshot shows the 'Monolith-IP' configuration page. On the left is a navigation menu with 'System' selected. The main content area is divided into several sections:

- Seriennummer:** 400116400025 (with a green 'Neustarten' button)
- Firmware:**
 - Version: 1.5-240
 - Hash: c66a87ad
 - Datum: 2016-10-03 11:51:59
- Betriebssystem:**
 - Version: 1.1-48
 - Hash: bed07a6e
 - Datum: 2016-10-02 09:31:08
- Firmware-Update:**
 - Text: 'Diese Datei hochladen: Keine Datei ausgewählt.'
 - Buttons: 'Hochladen' (green)
- Werkseinstellungen:**
 - Text: 'Sie können hier die Monolith IP auf die Werkseinstellungen zurücksetzen.'
 - Button: 'Werkseinstellungen laden' (red)

Hier können Sie die Seriennummer sowie die Version der Firmware und des Betriebssystems Ihrer Türsprechstelle einsehen. Zusätzlich können Sie einen Neustart des Gerätes durchführen, die Firmware aktualisieren oder die MONOLITH C IP in den Auslieferungszustand zurücksetzen.

4. Technische Daten

Anschlussart	Über Netzwerkschnittstelle 10/100MBit, IPv4
Energieversorgung	PoE (nach IEEE 802.3af), bis 15,4W
Stromversorgung	12 V= ± 5%, 1A, über Klemme 14 und 15, verpolungssicher
Eingebaute Relais	Zwei, potentialfrei
Relaisschaltleistung	Max. 48V= / 30V~, 1A
SIP- Standard	RFC3261
Sprachcodec	G.711
Umgebungstemperatur	Lagerung -20°C bis +70°C Betrieb -20°C bis +50°C
Feuchtigkeitsschutz	Frontplatte UP im eingebauten Zustand IP 65 (staub- und strahlwassergeschützt) Im Aufputzgehäuse IP54
Abmessungen	L x B x H: 240 x 120 x 36 mm

CE Erklärung

Der Hersteller
wantec, Inhaber: Stefan Rupp, Im Riegel 27, 73450 Neresheim
erklärt, dass das Produkt

MONOLITH C IP

bei bestimmungsgemäßer Verwendung den grundlegenden Anforderungen des EMVG entspricht.

Verwendungszweck: SIP/IP Türsprechstelle

Angewendete Normen:

Directive 1999/5/EC of the European Parliament and of the Council of March 1999 – on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity

Directive 2004/108/EC of the Council of 15 December 2004 on the harmonization of the laws of Member States relating to electromagnetic compatibility

Directive 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Commission Regulation (EC) No. 1275/2008 of 17 December 2008, implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EC, 93/67/EC, 93/105/EC and 2000/21/EC

Directive 2012/19/EC of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment

CE-Kennzeichnung auf dem Produkt angebracht: 2014

Neresheim, 19.12.2014



Stefan Rupp



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(which makes passes at compilers) written
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```

```
signature of Ty Coon, 1 April 1989
```

```
Ty Coon, President of Vice
```

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Source: http://www.gnu.org/licenses/old-licenses/gpl-2.0
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