

Connect IP x2 / x8



Description of the CONNECT IPx8





Rear card - optional 8x CAT5, 8x Coax or 8x AIO

The CONNECT IPx2 is similar constructed. It supports only 2x CAT5 or 2x AIO Ports. All further settings are identically to the CONNECT IPx8



Setup IP-address

- Connect the main cable to the device
- Connect the "100-Base-T"-connector to an Ethernet Network
 - for the first setup of the Interface, it is recommended to make a direct connection to a PC network card with a **X-Over** Cat5 cable. to set the IP-address to the right range of your network.
 - to connect the CONNECT IPx2/8 to a network via a Switch/Hub you have to use a 1:1 Cat5 cable.
- Wait until the device has booted and the "Active" LED is flashing green.
- If a valid network is detected, the orange LED on the Ethernet Cat5 jack lights up. The green LED shows the network traffic.



To reset the device to the factory default settings, just press the Reset button for 3 seconds with a thin object.

All LED's on the front will light up for a short moment.

The IP-address, device name and passwords will be resettet to default settings.





PC IP-configuration

The default IP-Address of the CONNECT IPx2/8 is 192.168.42.160.

To change the IP-address of the device, you first have to connect to the default address.

Therefore it is necessary to change temporary the IP-address of the connected PC.

Open the properties of the network interface of the PC.

(Start > Settings > Network connections)

Status von PCMCIA 42er			
Allgemein Netzwerkunterstützung			
Verbindung Status: Dauer: Obertragungsrate:	Verbindung hergestelt 07:13:34 10.0 MBit/s	Eigenschaften von PCMCIA 42er Algemein Erweiteit Verbindung herstellen über: D-Link DFE-690T%D CardBus PC Car Konfigurieren	Ligenschaften von Internetprotokoll (TCP/IP)
Aktivität Gesendet	Emplangen	Dieze Verbindung verwendet folgende Elemente:	Aligemein IP-Einstellungen können automatisch zugewiesen werden, wenn das Netzweit diese Funktion unterstützt. Wenden Sie sich anderrfalls an den Netzweit kadministrator, um die geeigneten IP-Einstellungen zu
Pakets: 142.172	207.147	III III Installeren Eigenschaften Eigenschaften Eigenschaften Eigenschaften Datenaustausch über verschiedene, miteinander verbundene Natzweite ermöglicht. Symbol bei Verbindung im Infobereich anzeigen Eenschrichtigen, wenn diese Verbindung eingeschränkte oder teine Konnektivität besitzt OK Abbrechen	Discentini. Discentin
Open the properties of your LAN connection	Open t	he properties	Crweitert OK Abbrechen
	of the T	TCP/IP protocol	Change the IP-address of your PC to 192.168.42.x

(x not 160)



Configure CONNECT IPx2/8

- Open any Internet-Browser
- Type in http://192.168.42.160 and connect to this address.

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	> - C	\times		http://192.1	68.42.160	0/

• In the Login window type in following data's:

User : Admin Password: Admin

Authentifizier	ung erforderlich 🛛 🔀	
?	http://192.168.42.160 verlangt einen Benutzernamen und ein Passwort. Ausgabe der Website: "Connect_IP_User_Login"	I
Benutzername:	Admin	
Passwort:	••••	
	OK Abbrechen	

• Now you can use the configuration webpage



Click on "Network Configuration".

Change IP-settings corresponding to your network.

When you activate "*Obtain IP address automatically*" and "*Obtain DNS server automatically*", the Connect IPxX is getting the addresses from a DHCP server (if available). A unique DNS-hostname is required for this device for DHCP

CONNECT IP>	(8		
Connect IPx8 CAT	Network Confi	guration	User name: Admin Device name: Connect IP
Status Network Configuration Device Configuration Port Configuration Clock Configuration Firmware Update Log Files Bestart Device	IPv4 Address: IPv4 Netmask: IPv4 Default Gateway: Obtain IP address automat	192.168.42.160 255.255.255.0 192.168.42.1	
	Primary DNS server: Secondary DNS server: Domain name: Obtain DNS server addres	s automatically	
	Please note, that the above DNS hostname: SIP TCP/UDP Port:	IPv4 and DNS server address se	attings will be ignored, if address is obtained automatically.
	Ethernet Link Mode:	Autonegotiation	
			© RIEDEL 2011

Press "Apply" to send the changes to the CONNECT IPx2/8.

Afterwards press the button Please restart your Connect IP by pressing this button in the new opening window to restart the device.

Now you can connect your CONNECT IPx2/8 to your Network with the VoIP-Client card. All further settings and configurations will be done with the DIRETOR configuration software and the VoIP card.



If you want, you can also change the name of the device, username and password in "*Device Configuration*". No reset is needed when changing these settings.

ONNECT IF	2x8	User name: Admin Bevise name: Sonnect IP
Connect IP×8	Device Configuration	
Status teach Canfiguration	Name of the Device:	
Part Canfiguration Clock Configuration	Username:	
Log Files Restart Device	Enter old password:	
	Enter new password:	
	Confirm new password:	
	Anata Reset	
	within Lineary	

With the link "*Port Configuration*" you can change the names of the available ports.

Attention: The same names have to be configured in the DIRECTOR VoIP-setup afterwards.

			4	
CONNECT IPx	8			
Constant 10-8			Us De	er name: Admin vice name: Connect IP
Info	Port Configu	ration		
Network Configuration Device Configuration Port Configuration	Port 1	cal SIP ID: Port1	Insert the audio of the next port into the 2nd AES channel of this port.	
Clock Configuration Firmware Update	Ac	pply Reset		
Log Files Restart Device	Port 2	cal SIP ID: Port2]	
	Ap	Poply Reset		
	Port 3	cal SIP ID: Port3	Insert the audio of the next port into the 2nd AES channel of this port.	
	Ap	pply Reset		
	Port 4	cal SIP ID: Port4]	
	Ap	pply Reset		
	Ap	Reset		



Firmware update

Your ARTIST system and the CONNECT IPx2/8 must always have the same firmware version installed, to work properly. If you update your ARTIST system, all already connected CONNECT IPx2/8 are also automatically updated via the network.

To update a CONNECT IPx2/8 manually to the needed version, you can also update the device directly via the web interface.

Open the function "*Firmware Update*" and select the needed standard ARTIST Client-firmware.

Press the *"Update the firmware*" button, so send the file into the interface. All LED's start flashing. The update process takes up to 1 minute

After the successful update press the button "Restart Device".





Connecting ports

When all VoIP ports are configured correctly in the DIRECTOR software *(see DIRECTOR-Manual, chapter 9.11.4.2)*, and also the network connection and the IP-routing is done correctly, the CONNECT IPx2/8 shows the connected ports.



Attention: These LED's indicates only the status of the network/port connections.

It is not showing, if a panel is physically connected to this port or not.

Now, depending of the installed rear card, connect your panels, analogue- or AES 4-wires.

If you are using a CAT5 rear card, a green LED on the CAT5 jack indicates a working panel.





You can also see the port status information in the web interface. Just click on "*Status*" to see detailed information of the VoIP108 <> CONNECT IPx2/8 port connections.

If a port is showing a green background, the port is successfully connected to the VoIP108 card. If it's a yellow background, the IP connection is established, but the panel is not connected. You can see all information like used audio codec, IP-address, receive buffer size, etc.

CONNECT IPx8 User name: Admin Device name: Connect IP Connect IPx8 CAT Status Info Status Network Configuration Port 1 Local Port1@192.168.42.160 Connection Uptime: 143 Device Configuration Contro Remote: Port1@192.168.42.38 Audio Codec: G.722 64kbps PLC Port Configuration Panel Voice Activity Detection: Audio Packet Size: 20 ms On Clock Configuration connected Firmware Update QoS (DiffServ): Receive Buffer: 80 m Log Files Restart Device Port 2 Local: Port2@192.168.42.160 Connection Untime 81 Waiting for Remote Port2@192.168.42.24 Audio Codec: G.722 64kbps PL Control anel Voice Activity Detection: On Audio Packet Size: 20 ms QoS (DiffServ): Receive Buffer: 30 m Port 3 Local: Port3@192.168.42.160 Connection Uptime 81 Control Port3@192.168.42.24 G.722 64kbps PL(Remote: Audio Codec: Voice Activity Detection: Audio Packet Size: 20 ms On connected 2-Ch. Mode QoS (DiffServ): Receive Buffer: 160 ms Port 4 Port4@192.168.42.160 Local: Connection Uptime: 0 Remote Port4@192.168.42.120 Audio Codec: G.722 64kbps PLC Voice Activity Detection: On Audio Packet Size: 20 ms QoS (DiffServ): Receive Buffer: 80 ms Port 5 Local: Port5@192.168.42.160 Connection Uptime: 143 4-Wire Mode Remote Port5@192.168.42.38 Audio Codec: G.722 64kbps P Voice Activity Detection: On Audio Packet Size: 20 ms QoS (DiffServ): 0 Receive Buffer: 160 m Port 6 Port6@192.168.42.160 Local: **Connection Uptime** Remote Port6@192.168.42.120 Audio Codec: 3.722 64kbps Pl Voice Activity Detection: Audio Packet Size: 20 ms QoS (DiffServ): Receive Buffer: 80 m:

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Setup Panel in 2-channel mode







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Director Configuration

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