

PERFORMER

The Digital Partyline Experience (EN)



Performer Digital Partyline



The Digital Partyline Experience

The Performer Series provides the world's first digital partyline intercom system, providing 2 and 4-channel master stations, rack-mount, wall-mount and desktop speaker stations as well as call light indicators and 2-channel beltpack headset stations. In addition to pure partyline applications the C44 system interface makes the Performer series the first fully integrated 'digital' solution for combined digital matrix and partyline intercom. The Performer product line is completed by the Performer 32 digital intercom matrix/stage management system, which is aligned for the requirements of stand-alone broadcast applications, opera houses and theatres as well as sports and cultural events.



Performer CR-4 / CR-2 Master Station

The new Performer master stations CR-4 (4-channel) and CR-2 (2-channel) are the ideal choice for setting up a stand-alone digital partyline system. Depending on the set-up the integrated power supply of the 19"/1RU device can power up to 32 Performer devices such as beltpacks, split-boxes or desktop speaker stations per line. Additional power-supplies easily expand the possibilities. The clear user interface offers the user ultimate performance and flexibility. The colour-illuminated buttons are ideal for applications in operational environments. The remote mic-kill function allows the user to silence any open microphone on the intercom channels. The CR-4/CR-2 features an additional program input that can be mixed individually to each of the intercom channels. Other features include individual listen volume controls for all partylines, Call and S-Call, IFB and a stage announce function to use the intercom microphone to talk over the PA system. The CR-4/CR-2 can be operated using a headset or the integrated powerful loudspeaker with a gooseneck microphone.

Features:

- High quality digital audio: no noise, no hum
- Fully digital: audio, DSP, controls
- Perfect side tone-nulling
- Remote Mic-Kill
- 2-channel intercom operation plus additional program sound on XLR cables
- Real plug-and-play installation



Performer C3 Digital Beltpack / Headset Station

The Performer C3 is an ergonomically shaped, fully digital 2-channel beltpack that includes all the standard features from conventional analogue partyline systems including daisy-chaining. The beltpack uses high quality digital audio providing noise- and hum-free signals. Extensive DSP signal processing provides perfect side tone-nulling and excellent intelligibility in applications with very high ambient noise levels. The C3 has three XLR connectors, one for headset, one for signal input and one for signal loop through, which can also be used as an additional analogue program input.

Operation is extremely convenient. Two large rotary level controls on the top of the C3 adjust the listen volumes for CH-A and CH-B. Pushing on the A or B volume control toggles talk on/off with momentary/latching operation to the respective channel and includes talk LED indication. The C3 is easy to configure and features also a call send button. A bright call light indicates an incoming call to all daisy-chained Performer devices.

Performer Digital Partyline



Performer CD-2 Desktop Speaker / Headset Station

The CD-2 Desktop Speaker/Headset Station provides the same feature set as the CR-2 Master Station except for the internal power-supply. This makes the CD-2 ideal either for operation as a desktop speaker station or – in combination with an external power-supply – as a 2-channel master station for setting up a stand-alone digital partyline system.



Performer CW-2 Wall Mount Speaker / Headset Station

The CW-2 Wall Mount Speaker/Headset Station comes with a standard 4-gang outlet box and provides an easy-to-use 2-channel digital intercom panel. The large rotary level controls combine volume control and a talk button with momentary/latching operation. The unit can be operated using a headset or the integrated powerful loudspeaker with a microphone. A call signal LED, Call and S-Call function complete the feature list. The CW-2 can be powered from the partyline or via a local power supply.



Performer C44plus System Interface

The C44plus System Interface allows for seamless integration of digital partylines in matrix intercom environments. The 19"/1RU unit converts four two-channel CAT5 matrix ports to four phantom powered belt-pack lines. The belt-packs are connected to the C44plus via standard 3 pin XLR cables. Up to 16 belt-packs can be daisy-chained on each line, one C44plus can power up to 38 belt-packs. For stand-alone use the device features an integrated 24x24 ports digital intercom matrix, which can be configured via Riedel's audio assignment software. Pre-programmed configurations can be loaded via the DIP-switches on the front.



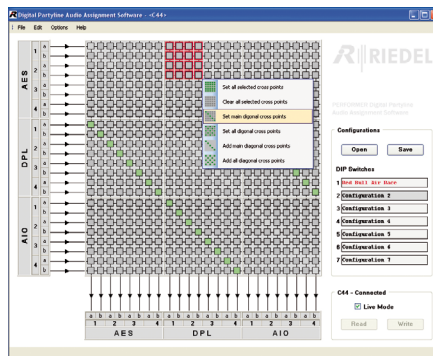
Performer C31 Split Box

The C31 Split Box splits one signal input on XLR3 onto three XLR3 outputs. C31 can be powered by the partyline or with an external power supply for extra long cable runs.

Performer CI31 Call Indicator

The CI31 Call Indicator combines a C31 Split Box with a selectable high volume buzzer and a large flashing lamp to provide visual and/or audible indication of a "call".

Performer Audio Assignment Software



The Performer Audio Assignment Software is an intuitive tool for editing the settings of eight pre-programmed configurations of the Performer C44plus System Interface. This enables the C44plus to serve as the heart of a small stand-alone intercom solution.

Full digital interfacing is provided for Artist and Performer 32 matrix systems. Analogue 4-wire I/Os and GPIs are provided for interfacing to 3rd party intercom systems. The C44plus provides short-circuit protection on each powered line individually. Separate DC inputs and outputs at the rear of the unit can be used to provide redundant power.

Specifications Performer Digital Partyline

	C3 / C3-SE	CR-4 / CR-2	CD-2	CW-2	C31 / CI31	C44plus
Microphone Preamp:						
Mic input impedance	1 kOhm	1.6 kOhm	1.6 kOhm	1 kOhm		
Dynamic mic input level	> -52 dBu @ 1 kHz	> -52 dBu @ 1 kHz	> -52 dBu @ 1 kHz	> -52 dBu @ 1 kHz		
Electret mic input level	> -38 dBu @ 1 kHz	> -38 dBu @ 1 kHz	> -38 dBu @ 1 kHz	> -38 dBu @ 1 kHz		
Frequency response	80 Hz to 12 kHz, \pm 3 dB	80 Hz to 12 kHz, \pm 3 dB	80 Hz to 12 kHz, \pm 3 dB	80 Hz to 12 kHz, \pm 3 dB		
Headphone Amplifier:						
Load impedance	32 – 600 Ohms	24 – 600 Ohms	24 – 600 Ohms	32 – 600 Ohms		
Max. output level	12 Volts peak-to-peak	14 Volts peak-to-peak	14 Volts peak-to-peak	12 Volts peak-to-peak		
Max. output power	255 mW / 600 Ohms	300 mW / 600 Ohms	300 mW / 600 Ohms	255 mW / 600 Ohms		
Frequency response	20 Hz to 12 kHz, \pm 3 dB	80 Hz to 12 kHz, \pm 3 dB	80 Hz to 12 kHz, \pm 3 dB	20 Hz to 12 kHz, \pm 3 dB		
Signal-to-noise-ratio	> 80 dB (A)	> 82 dB (A)	> 82 dB (A)	> 80 dB (A)		
Headset connector (XLR4M)	1x (C3-SE: 1x XLR5M)	2x	2x	1x		
Power Supply:						
Output voltage		+48V DC \pm 5%	with optional C31 PS	with optional C31 PS	with optional C31 PS	+48V DC \pm 5%
Output current		2 A max. total				3 A max.total
Short circuit protection		per individual line				per individual line
Short circuit reset time		500 ms				500 ms
Power requirements	36 – 48 V DC	85 – 265 V AC / 47 – 63 Hz	36 – 48 V DC	36 – 48 V DC	36 – 48 V DC	85 – 265 V AC / 47 – 63 Hz
Power consumption	22mA/50mA @ 48 V	120 VA (CR-4) / 85 VA (CR-2)	220mA @ 48 V	180mA @ 48 V	22mA @ 48 V	170 VA with full load (38 x C3)
Max. Distance / Cable Type:						
Cable type C44 to matrix						CAT5 FTP, 4x2 AWG24
Cable type Partyline	XLR cable*	XLR cable*	XLR cable*	XLR cable*	XLR cable*	XLR cable*
Between any two Performer devices	up to 300 m (1000 ft)*	up to 300 m (1000 ft)*	up to 300 m (1000 ft)*	up to 300 m (1000 ft)*	up to 300 m (1000 ft)*	up to 300 m (1000 ft)*
Max. partyline length	up to 2.5 km (1.5 miles)*	up to 2.5 km (1.5 miles)*	up to 2.5 km (1.5 miles)*	up to 2.5 km (1.5 miles)*	up to 2.5 km (1.5 miles)*	2.5 km (1.5 miles)*
Dimensions:						
H x W x D	140 x 120 x 39 mm	44 (1 RU) x 483 x 190 mm	75 x 255 x 222 mm	134 x 223 x 44 mm	44 x 105 x 111 mm / 94 x 105 x 111 mm	44 (1 RU) x 483 x 250 mm
Mass	450 g (0.99 lb)	2880 g (6.35 lb) / 2600 g (5.73 lb)	1600 g (3.53 lb)	1020 g (2.25 lb)	370 g (0.81 lb) / 470 g (1.04 lb)	3500 g (7.72 lb)

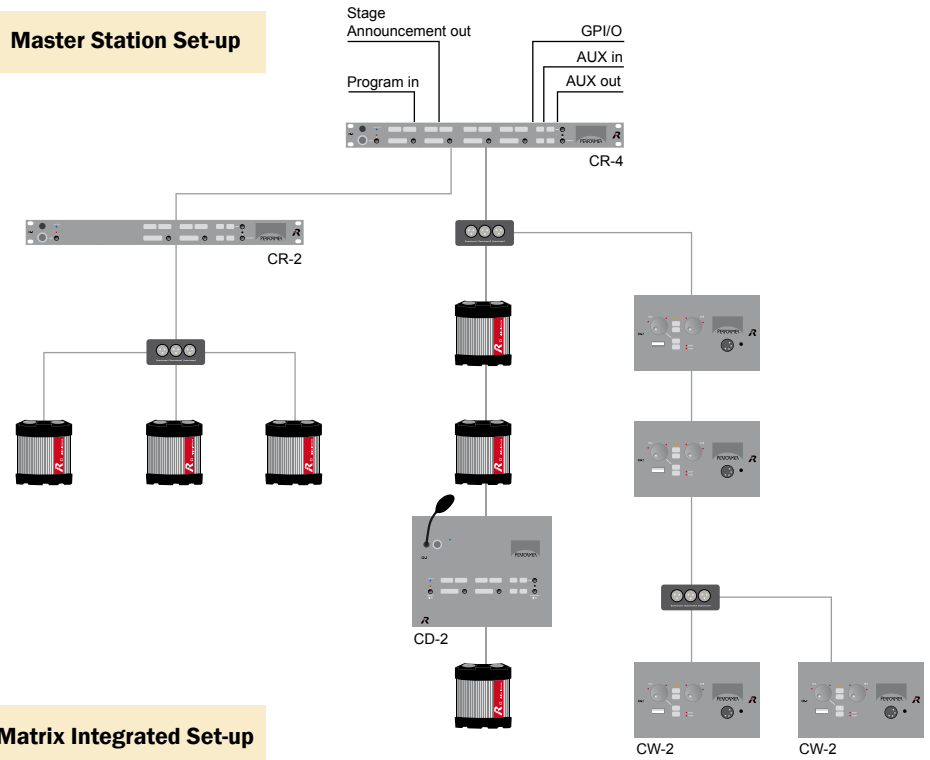
* For best results balanced cables with 110 Ohms specific impedance are recommended. If the specific impedance is different the maximum achievable distance may vary.

System Overview

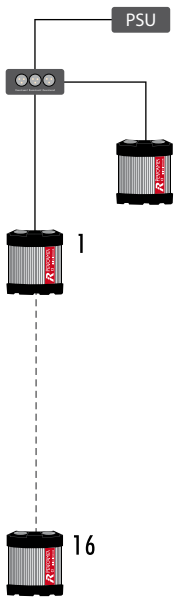
The Performer series are a flexible and powerful system to meet your specific communications needs. The set-up of distributed partylines can be easily adjusted to meet any requirement finally providing digital audio quality on a beltpack.

Whether used in stand-alone partyline applications or integrated with a digital matrix intercom system: The Performer product line is always the ideal choice for demanding customers in broadcast, opera houses and theatres as well as sports and cultural events.

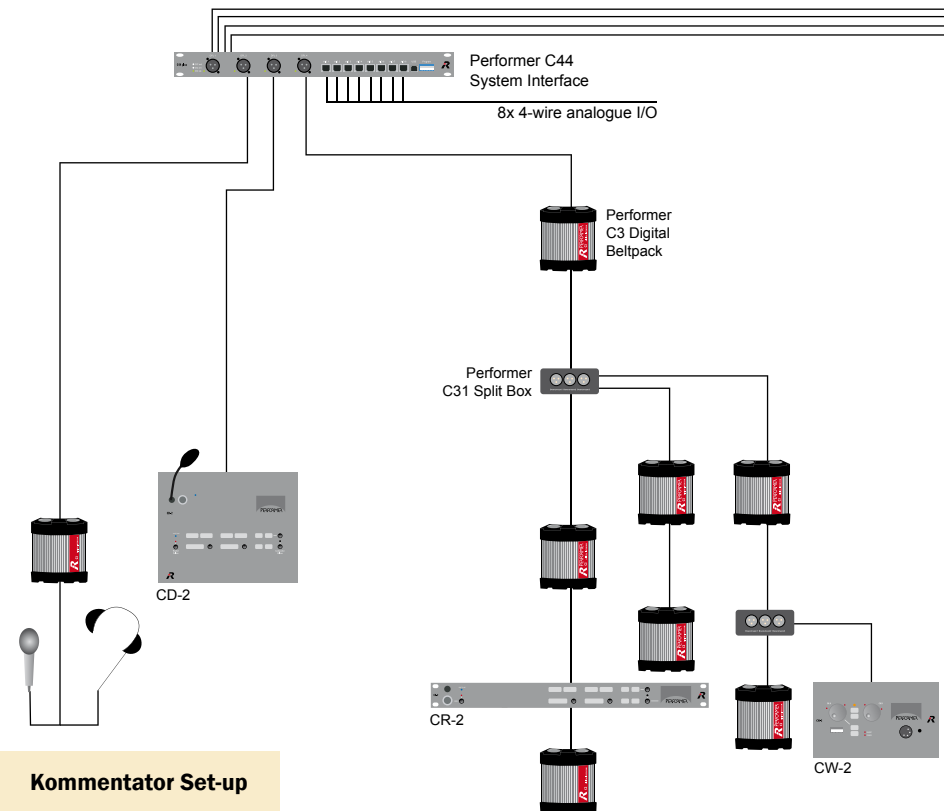
Master Station Set-up



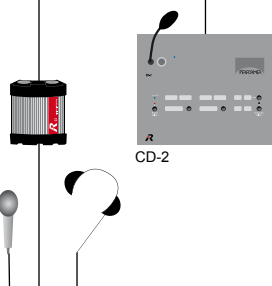
Basic Set-up

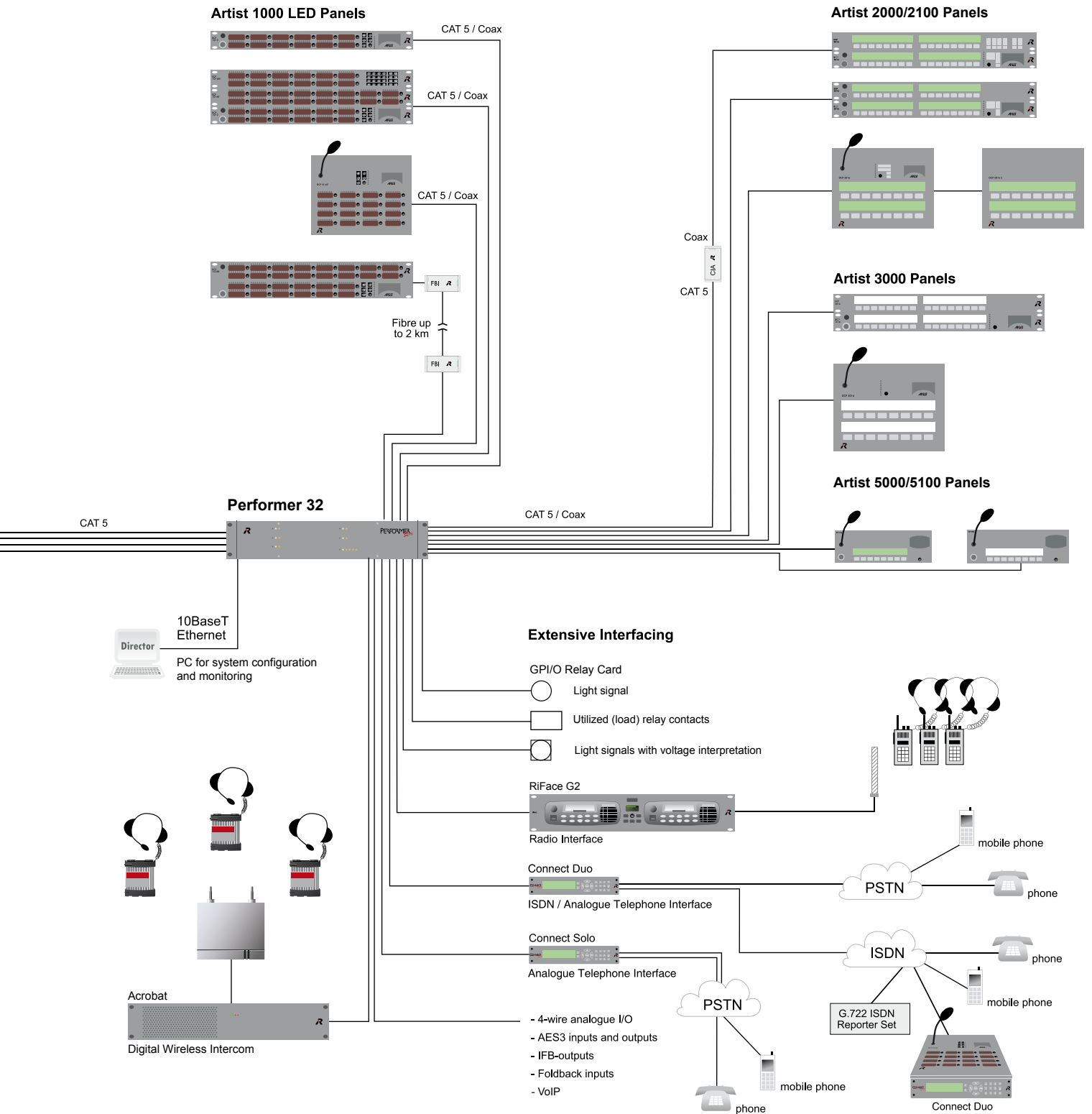


Matrix Integrated Set-up



Kommentator Set-up





Performer 32 Matrix System

Digital Matrix Intercom / Stage Management System

Performer 32 is a powerful and cost-effective digital intercom matrix/stage management system, which is aligned for the requirements of stand-alone broadcast applications, opera houses and theatres as well as sports and cultural events. The system is based on a modular concept and can be adapted to the individual requirements of the users.

The successor to the legendary Riedel Compact System is available in two sizes and can be modularly equipped. Both versions can realize 32 user matrices. In addition to the client cards the compact systems also offer up to 16 (Performer 32+16) respectively 80 (Performer 32+80) relay switches for the control of intermission signs, cue lights and special effects.

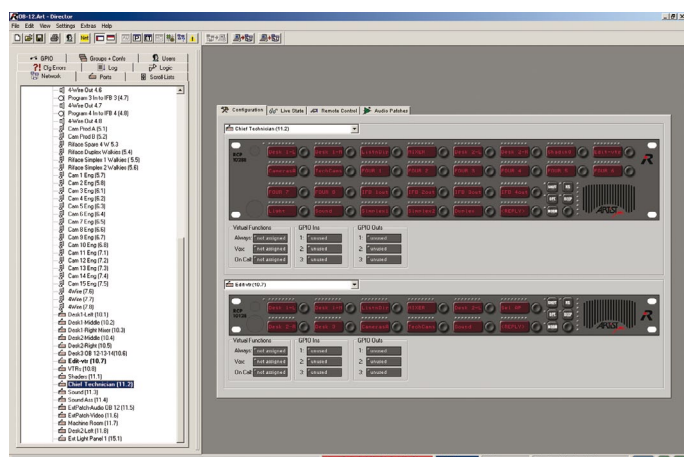
Performer 32 systems are the ideal integration platform for diverse audio and communications sources. Versatile interface solutions allow seamless integration of digital and analogue partylines, radios, audio routers, telephones as well as other analogue and digital systems. Combined with the digital partyline interface C44, the Performer line for the first time offers a completely integrated solution for the combination of matrix systems and conventional partyline applications. The configuration of the partylines is realized with the same configuration software and is therefore totally integrated into the matrix environment.

Performer 32 at a glance

- Modular expansion from 8 x 8 up to 32 x 32 ports
- Broadcast quality audio (AES3/EBU) throughout the entire system
- Digital connection to the panels via COAX, CAT5 or fibre
- Redundant power supply, all modules hot-swappable
- Intuitive configuration software
- Individual volume control for each cross-point (1000 & 2000 series panels)
- Secure long-term investment made in Germany

Applications

- Stand-alone Broadcast Applications
- Theatres
- Sport & Cultural Events
- Exhibition and Convention Centres
- Stadiums & Theme parks



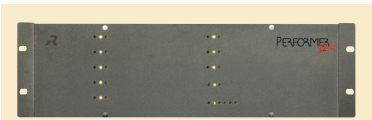
Director 32 – Intuitive Configuration Software

The intuitive and user friendly configuration software Director 32 allows for simple configuration and control of Performer intercom/stage management systems.

Director 32 offers the familiar look & feel of Windows software.

The programming is not only easy to learn, but also intuitive and efficient. Configurations are simply set via “drag & drop”.

Programmable logic-functions allow simple realisation of complex production processes.


Performer 32+16

Performer 32+80
Features

Maximum matrix size	32 x 32	32 x 32
DSP at every I/O for audio signal processing	yes	yes
VOX at every port	yes	yes
Hot swap of all modules	yes	yes
Redundant power supplies	yes	yes
Intuitive configuration software	Director 32	Director 32
Max. ports per frame	32	32
Max. number of controller / client / GPI cards per frame	1 / 4* / 1	1 / 4* / 5
External sync (AES3 / Word Clock)	optional	optional
Alarm signalisation (Hardware/Director)	yes / yes	yes / yes

* Client Card Slots also support GPI / relay cards

System Components

Mainframes	MFR-32+16 (19"/2RU)	MFR-32+80 (19"/3RU)
Controller cards	CPU-032	CPU-032

Client Cards

Digital Client Card Coax 8 digital control key-panel ports on individual 75Ω BNC connectors for connection of Artist control key-panels using coax cable	COX-008	COX-008
Digital Client Card CAT5 8 digital control key-panel ports on individual RJ-45 connectors for connection of Artist control key-panels using CAT5 computer cable	CAT-008	CAT-008
Analogue Client Card 8 transformer balanced analogue 4-wire intercom ports (+6dB in/out) on individual RJ-45 for connection to equipment such as studio loudspeakers, RiFace wireless base station, cameras, 4-wire leased landlines, telephone hybrids etc.	AIO-008 (AIO-009)	AIO-008 (AIO-009)
Digital Client Card AES Digital audio I/O-card (4x AES3) on RJ-45 for connection to digital mixing consoles, routers, multitracks, etc.	AES-008	AES-008
GPI / relay card 16 potential free change-over contacts (contact load 2A/24V ≈ or 50W/100V ELA) as well as 16 optical inputs (+5V to +48V); for input of red-light signals, activation of radio transmitters, triggering of stage effects, etc. connector type: SubD 37	ELA-OP-016	ELA-OP-016
GPI / relay card 16 single fused change-over contacts with voltage interpretation for lighting signals (contact load 2A/24V ≈) as well as 16 optical inputs (+5V to +48 V); for input of red-light signals, activation of radio transmitters, triggering of stage effects, etc. connector type: SubD37	LI-OP-016	LI-OP-016
8 Channel MADi Client Card Cascadable to 64 channels on one MADi stream. Includes audio & panel data to remote panels or connect multi-channel audio to audio routers. Optical & Coax MADi links are supported.	MADI-008	MADI-008
8 Channel VoIP Client Card Converts 8 Artist control key-panel ports into a compressed IP-stream and vice versa, SIP-based, RJ45 connector	VOIP-008	VOIP-008

Easy-to-operate Control Key-Panels

Performer 32 matrix systems are compatible with all Artist control panels. Whether you make your decision for the 1000 LED series, the 2000 LCD series, the 3000 series or the 5000 series: You can be sure to get easy-to-operate, high-tech control panels with broadcast quality audio, minimum dimensions and outstanding design made by quality German manufacturing.

Artist 1000 LED-Panels

The 1000 Series are the premium control key-panels from Riedel and are available in 19" rack-mount, desktop and modular (Danner) versions. All control key-panels feature bright, dimmable 8-digit alphanumeric LED displays, individual rotary encoder for listen level control and LED level indication for each talk key. A special alphanumeric 8-digit LED display key has been developed which allows clear labelling of destinations and excellent readability under all lighting conditions. These exclusive display keys are used on all 1000 Series control and expansion key-panels resulting in an ultra-compact design. 3 GPIs and 3 GPOs are available for system-wide programming as standard. Two sets of balanced line level audio inputs and outputs are also provided as standard.

Artist 2000/2100 LCD-Panels

The Riedel 2000 Series control key-panels fulfill all requirements of high-quality versatile and economical intercom control key-panels. The 2000 Series are available in 1RU rack mount and desktop versions. They feature 8-digit, high-contrast, full graphic LCD displays, showing label and cross-point level for each talk key.

Each talk key has individual listen level control and LCD level indication. All control key-panels are equipped with a "shift"-page, essentially doubling up the number of keys. Up to three expansion panels can be daisy-chained to the 19" rack-mount control key-panels providing up to 128 control keys with displays. The 2100 models feature additional audio inputs/outputs and GPIs.



Features

Display type

Key type

Support of horizontal and vertical mode

Cross-point level indication for each key

Individual listen level / on-off controls for each key

Shift-page to double the keys

Function keys for fast operation

Digital connection to matrix

Balanced analogue line level inputs / outputs

GPI opto-inputs / relay outputs on DB9 connectors

Removable gooseneck microphone

Front headset on 4-pin XLR

Optional external Microphone / Speaker

Built-in loudspeaker

Integrated power supply

Modelle

Rack-mount

Desktop




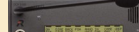
Modular (Danner)

Artist 3000 Panels

The Artist 3000 control key-panels are the cost-effective entry to the Performer matrix platform. Fulfilling all requirements of a versatile intercom control key-panel the panels comprise the 2000 Series illuminated colour indication of the push-buttons and provide marker stripes for easy labelling of the keys.

Artist 5000/5100 Panels

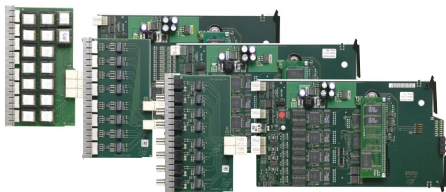
The Artist 5000 panel series is a very cost-effective matrix intercom solution designed to meet the demands of all intercom markets. It provides the full functionality of Riedel's digital matrix intercom panels at an unbeatable entry-price level. The 5100 models feature an 8 character, high-contrast LCD display while the 5000 models provide marker stripes for easy labelling of the keys. The universal enclosure makes the panel suitable for rack-mount, wall-mount and desktop operation.

 Artist 1000 LED-Panels	 Artist 2000/2100 LCD-Panels	 Artist 3000 Panels	 Artist 5000/5100 Panels
exclusive 8 character LED in-key display	8 character LCD display	marker stripes	marker stripes (5100 series: 8 character LCD display)
exclusive key with integrated display	push-button with illuminated colour indication	push-button with illuminated colour indication	push-button with illuminated color indication
yes	yes	yes	no
yes (LED)	yes (LCD)	no	no
yes / yes (individual rotary control for each key)	yes / yes	no / no	no / no
yes	yes	no	5000: no / 5100: yes
headset/panel mic, shift-page, normalisation, options, beep	mute, shift-page, normalisation, options, beep, cross-point, scroll		
CAT5 / Coax / Fibre (optional)	CAT5 / Coax / Fibre (optional)	CAT5 / Coax / Fibre (optional)	CAT5 / Coax & Fibre (optional)
2x / 2x	no / no (2100 series: 2x / 2x)	no / no	no / no
3x / 3x	no / no (2100 series: 3x / 3x)	no / no	no / no
yes	yes	yes	fixed gooseneck microphone
yes	yes	yes	yes
yes / yes	no / no (2100 Serie: yes / yes)	no / no	no / no
yes	yes	yes	yes
yes	yes	yes	yes

RCP-1012E; 12 keys; 19"/1RU	RCP-2016P4; 16 keys; 19"/1RU	RCP-3016P4; 16 keys; 19"/1RU	
RCP-1028E; 28 keys; 19"/2RU	RCP-2116P4; 16 keys; 19"/1RU	ECP-3016P; 16 keys expansion; 19"/1RU	
ECP-1016E; 16 keys expansion; 19"/1RU	ECP-2016P; 16 keys expansion; 19"/1RU		
ECP-1012ET; 12 keys expansion with keypad; 19"/1HE	ECP-2016PT; 16 keys expansion with keypad; 19"/1RU		
DCP-1016E; 16 keys	DCP-2016P4; 16 keys	DCP-3016P4; 16 keys	DCP-5008; 8 keys/2RU DCP-5108; 8 keys/2RU
	DCP-2116P4; 16 keys		(Universal enclosure for rack-mount, desktop & wall-mount operation)
DIF-1000 / DPS-1000 Modular Panel Interface / Power Supply; 19"/1RU			
DBM-1004E; 4 keys Base Module			
DEM-1006E; 6 keys Expansion Module			

Extensive Interfacing

The Performer platform is an open world of communications. Distinct interface solutions let you communicate with telephones, digital and analogue partylines, camera intercoms, 2-way radios and other analogue and digital systems.



Client Card's Standard Interfaces

- Analogue 4-wire I/O
- AES3 I/O
- GPI / relay
- MADI
- VoIP



Connect Solo

Intelligent and seamless interfacing to the outside world is the key to success in many intercom applications. Connect Solo is the only device you need for hassle-free connection of intercom systems to PSTN public telephone networks. Combining two independent analogue POTS telephone hybrids in just one halfrack/1RU unit, the compact system is designed for easy installation in studio and mobile applications. The device can be used stand-alone or integrated with an intercom system.



Connect Duo

Connect Duo interfaces your intercom system to ISDN (European protocol) and PSTN public telephone networks. It combines an ISDN S_0 interface and an analogue POTS telephone hybrid in one halfrack/1RU device and enables you to dial, make and receive calls to and from any PSTN, ISDN or mobile phone as well as G.722 reporter codecs. Since the unit can transmit and receive two separate audio channels over one single S_0 interface it allows connections to two separate destinations to be established. When used with Artist intercom systems you can even remotely control panels via ISDN.



Connect IPx8 / Connect IPx2

Connect IPx8 provides high quality audio-over-IP interfacing for intercom systems. The 19"/1RU unit (IPx2: ¼ 19"/1RU) is designed to connect up to eight (IPx2: two) Artist control panels or audio lines to the Artist VOIP108-G2 matrix client card via IP based networks. The SIP-based interfaces convert AES3- or analogue signals into compressed IP data and vice versa. Connect IPx8 can be configured to your individual bandwidth needs, always providing an unmatched combination of audio quality and low network traffic. The panel interface flawlessly connects any Artist 1100, 1000, 2000, 3000 or 5000 series control panel with full functionality to Artist matrices via IP-networks.



RiFace G2 – Universal Radio Interface

The RiFace G2 is a universal radio interface to connect wired communication systems with walkie-talkie radio systems or stand-alone as a repeater. The 19"/2RU interface includes one or two two-way radios (user provided), processor logic to control the radios, DSP-Presets as well as circuitry to adjust the levels of the various audio sources. Set-up and operation is fast and easy.



IF-2104 – 2/4-Wire Interface

The 19"/1 RU 4-channel 2/4-wire interface IF-2104 converts four party line channels to transformer balanced audio inputs and outputs (4-wire) on individual XLR-connectors. The 2/4-wire hybrid features automatic nulling. The interface detects the GPI-CALL and switches built in relays to activate paging systems, radio equipment or other external devices.



PMX-2004 SFP – Panel Multiplexer

The PMX-Series panel multiplexers are used to remote up to four (PMX-2008: eight) intercom panels from the Performer 32 matrix using a fibre link. Depending on the SFP modul (SM/MM) the system allows operation of a group of intercom panels over a distance of up to 500 m (1,600 ft) or 2 km (1.2 miles) in a cost-effective way while reducing setup time to a minimum.



FBI – Fibre Interface Adapter

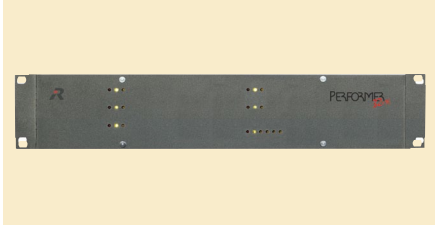
The FBI converts a Performer panel port from CAT5 to fibre in a bidirectional way providing long distance operation of Artist control panels. As the unit offers both connectors, for the matrix and for the panel, it can be inserted on either side. The interface may also be used for the bidirectional transmission of an AES3 signal. Distances up to 2,000 m (6,600 ft) can be realized using duplex multimode fibre.



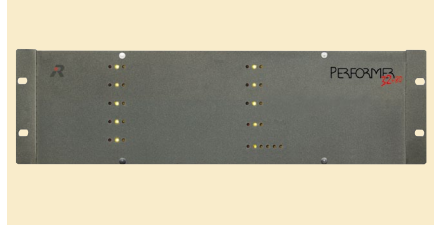
CIA – Coax Interface Adapter

The CIA interface converts a Performer panel port from CAT5 to 75 Ω Coax and vice versa. Since Artist control panels provide both CAT5 and coax interfaces for connection to the matrix, CIA's can be used to adapt a Performer 32 matrix port to the existing infrastructure, especially useful for events and mobile applications. Distances up to 500 m (1,800 ft) can be realized using 0.8/4.9 video cable.

Product Overview



Performer 32+16 Matrix Mainframe



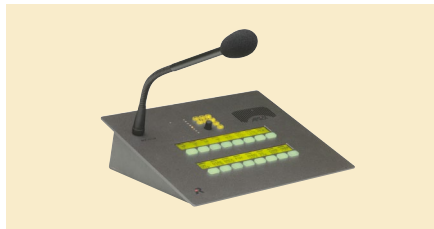
Performer 32+80 Matrix Mainframe



Director 32 Configuration Software



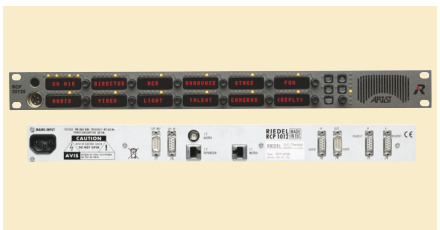
DCP-1016E/O Control Panel



DCP-2016P4 Control Panel



DCP-3016P4 Control Panel



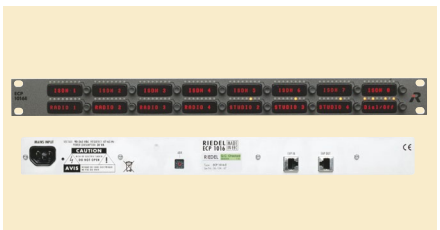
RCP-1012E/O Control Panel



RCP-2016P4 Control Panel



RCP-3016P4 Control Panel



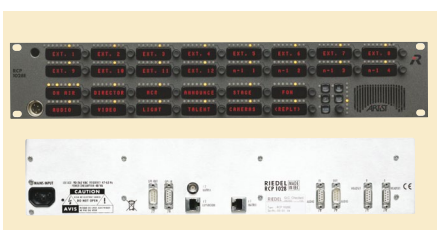
ECP-1016E Expansion Panel



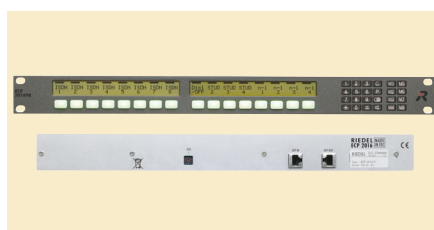
ECP-2016P Expansion Panel



ECP-3016P Expansion Panel



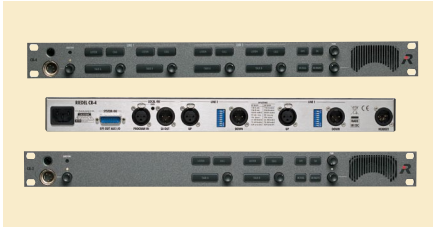
RCP-1028E/O Control Panel



ECP-2016PT Expansion Panel with Telephone Keypad



DCP-5008/DCP-5108 Universal Control Panel



Performer CR-4 Master Station
Performer CR-2



Performer C3 Digital Beltpack/
Headset Station



Performer CD-2 Desktop Speaker/
Headset Station



Performer CW-2 Wall Mount Speaker/
Headset Station



Performer C31/CI31 Split Box/
Call Indicator



Performer C44plus System Interface



Connect Solo Telephone Interface



Connect Duo ISDN/Telephone Interface



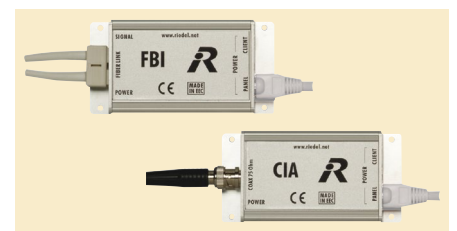
Connect IPx2 Audio-over-IP Interface
Connect IPx8



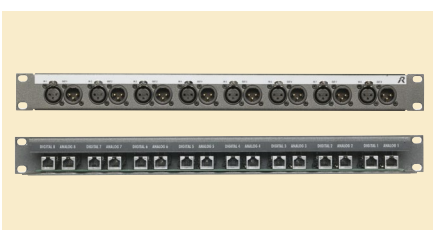
RIF-1032 GPI Interface



PMX-2004 SFP Panel
PMX-2008 SFP Multiplexer



FBI / CIA Fibre/CAT5 Converter
Coax/CAT5 Converter



XLR-Patch CAT5 to XLR Patch Field



RiFace G2 Radio Interface



Acrobat Digital Wireless Intercom

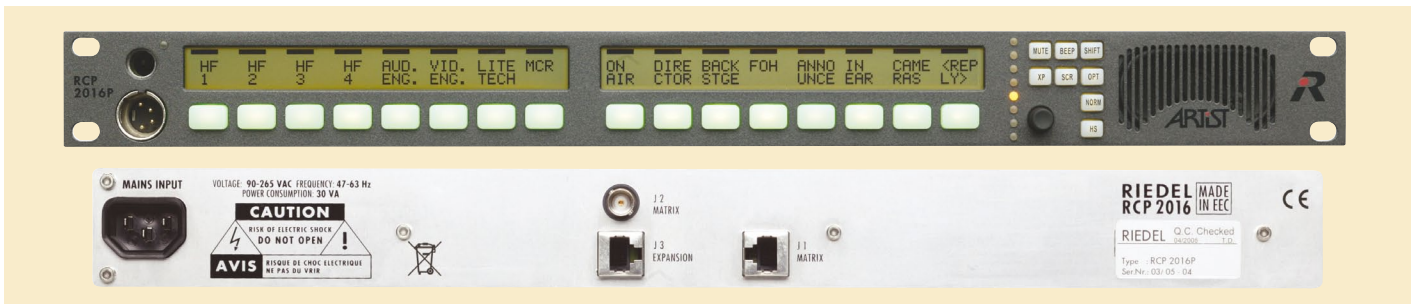
For detailed informations regarding the products above please visit our website www.riedel.net

Windows is a registered trademark of Microsoft Corporation. All trademarks are the property of their respective owners. Product specifications are subject to change without notice. This material is provided for information purposes only; Riedel assumes no liability related to its use. November 2010.

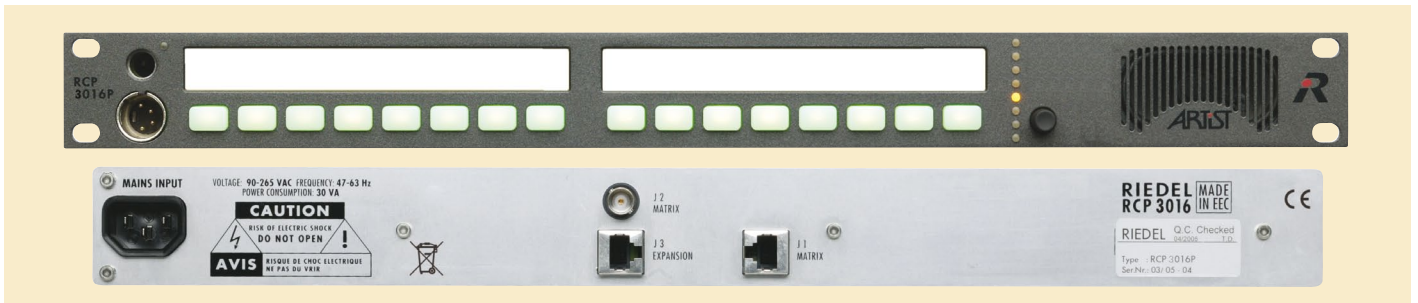
RCP-1012E/0 (front & rear view)



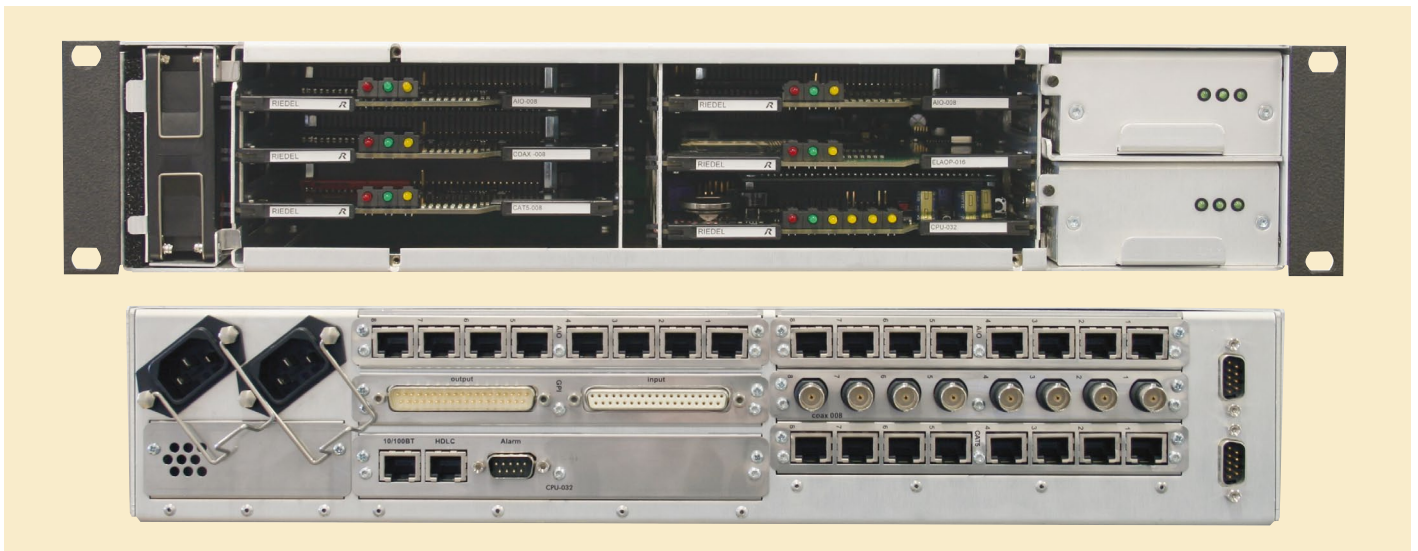
RCP-2016P4 (front & rear view)



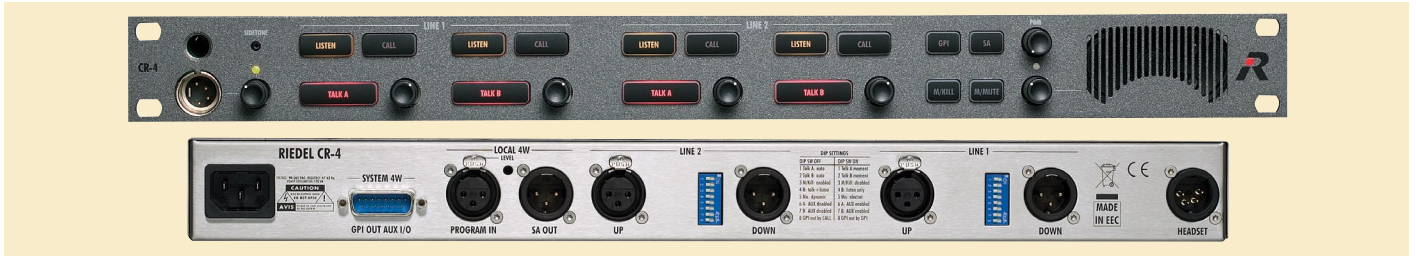
RCP-3016P4 (front & rear view)



Performer 32+16 (front & rear view)



Performer CR-4 (front & rear view)



Performer C44 (front & rear view)



Performer C31 (front & rear view)



Performer C3 (front & rear view)



Performer CI31 (front & rear view)





Riedel Communications GmbH & Co. KG • Uellendahler Str. 353 • 42109 Wuppertal • Germany
Phone: +49 (0) 202 292-90 • Fax: +49 (0) 202 292-99 99 • www.riedel.net

Wuppertal | Beijing | Berlin | Glendale | London | Singapore | Sydney | Vienna | Zurich