

**ARTIST**

**CCP-1116 Commentary Control Panel**

# Intercom Goes Commentary: Artist Commentary Control Panel

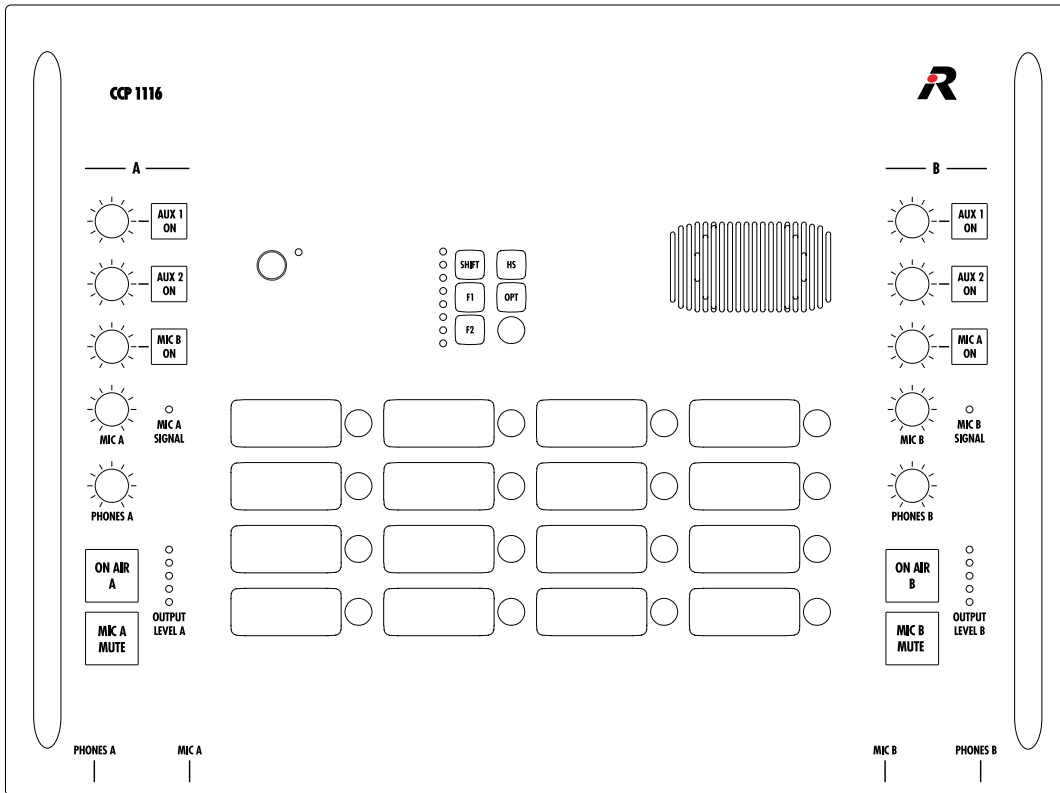


**The Riedel CCP-1116 is a new commentary unit for two commentators with integrated intercom functionality. The device provides up to two commentary positions with high-quality mic pre-amps and all the intercom features known from Riedel Artist Digital Matrix Intercom systems.**

Combined in one compact device and cabled via one single CAT5 or COAX cable, the CCP-1116 reduces cabling effort, set-up time and points of failure. In addition the CCP-1116 provides a clearly arranged user interface with improved functionality at the commentary position including programmable buttons for communications and GPIOs as well as remote control of the commentary panel.

## **Stand-alone/emergency mode operation**

In case of failure within the ARTIST system - e.g. loss of connection in between CCP-1116 and ARTIST Matrix - the stand-alone/emergency mode will be established without loss of signal. ON AIR and MIC DIRECT OUT audio signals are available separately and A/B combined at XLR outputs of the CCP-1116. AUX IN XLR inputs feed the Phones Monitor Mix and thus replace the monitor signals.



### Controls Commentator A

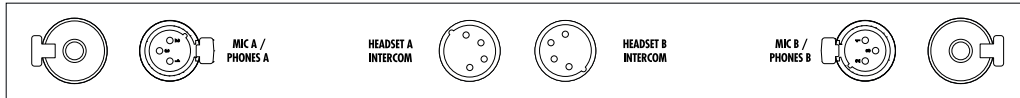
- AUX 1 Level Control: Adjust volume of AUX 1 IN signal
- AUX 1 ON: Switch AUX 1 IN on/off for commentary A headphones
- AUX 2 Level Control: Adjust volume of AUX 2 IN signal
- AUX 2 ON: Switch AUX 2 IN on/off for commentary A headphones
- MIC B Level Control: Adjust volume of MIC B
- MIC B ON: Switch MIC B on/off for commentary A headphones
- MIC A Level: Adjustment of side-tone for commentary A headphones
- MIC A Signal: LED green shows signal input at MIC A. Yellow indicates active limiter.
- PHONES A: Master volume for commentary A headphones
- ON AIR A: On-Air key (latching)
- OUT LEVEL A: Indicates the output level of ON AIR A signal
- MIC A MUTE: Mute/Cough key (momentary) to mute the ON AIR A signal

### Controls Commentator B

For Commentator B the CCP-1116 provides the same controls as for commentator A.

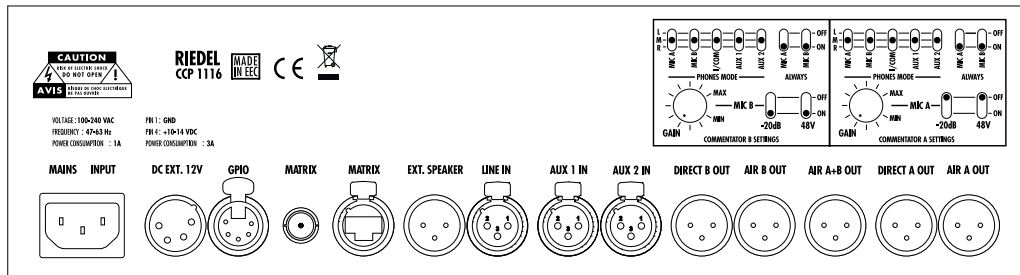
### Intercom Controls:

16 free programmable intercom control keys with individual listen volume controls. For two-user operation the set of keys can be split, resulting in 8 intercom keys per commentator. Following Riedel's intuitive concept of integrated displays in the panel keys, the 1100 series features the next generation of high-res colour OLEDs. With 65,000 colours and a resolution of 140 dpi these new displays provide excellent readability and are able to show up to eight highly detailed characters of up to 24x24 pixels, ideal for displaying icons and Asian characters. Definable marker colours for the keys complete the labelling options and provide instant function identification and signalization, e.g. for incoming calls. Function keys for fast operation: headset/panel mic, shift-page, F1, F2, options.



### Connectors (front)

|                            |  |                            |  |
|----------------------------|--|----------------------------|--|
| <b>PHONES A:</b>           | Headphones connector (Stereo 6.3mm) for commentary headphone A   | <b>HEADSET B INTERCOM:</b> | Headset Connector (XLR4) for Intercom Headset B (dynamic or electret microphone)   |
| <b>MIC A:</b>              | High-quality microphone input (XLR3) for commentary microphone with 48V phantom power (switchable), adjustable gain (control on the rear side), integrated limiter for On-Air signal | <b>MIC B:</b>              | High-quality microphone input (XLR3) for commentary microphone with 48V phantom power (switchable), adjustable gain (control on the rear side), integrated limiter for On-Air signal |
| <b>HEADSET A INTERCOM:</b> | Headset Connector (XLR4) for Intercom Headset A (dynamic or electret microphone)   | <b>PHONES B:</b>           | Headphones connector (Stereo 6.3mm) for commentary headphones B  |



### Connectors (rear)

|                      |   |                      |   |
|----------------------|---|----------------------|---|
| <b>MAINS:</b>        | 100-240 VAC (1A, 47-63 Hz)  | <b>DIRECT B OUT:</b> | Direct out of MIC B signal after MIC MUTE                     |
| <b>DC EXT. 12V:</b>  | Additional 10-14 VDC (3A) input for battery powering or power-supply redundancy   | <b>AIR B OUT:</b>    | Output for MIC B after limiter, MIC MUTE and ON AIR           |
| <b>GPIO:</b>         | 1 GPI and 1 GPO, available for system-wide programming  | <b>AIR A+B OUT:</b>  | Output for MIC A+B (mixed) after limiter, MIC MUTE and ON AIR |
| <b>MATRIX:</b>       | CAT5 or COAX connection to the Artist Matrix mainframe  | <b>DIRECT A OUT:</b> | Direct out of MIC A signal after MIC MUTE                     |
| <b>EXT. SPEAKER:</b> | Speaker connector (min. 4 Ohms)   | <b>AIR A OUT:</b>    | Output for MIC A after limiter, MIC MUTE and ON AIR           |
| <b>LINE IN:</b>      | Programmable and remote controllable mono line input , e.g. to feed local playback sources (transformer balanced, 6dBu) |                      |   |
| <b>AUX 1 IN:</b>     | Analog mono input (transformer balanced, 6dBu)  |                      |   |
| <b>AUX 2 IN:</b>     | Analog mono input (transformer balanced, 6dBu)  |                      |   |

### Controls (rear)

|                         |  |
|-------------------------|--|
| <b>MIC A/B:</b>         | Gain setting, -20dB pad and 48V phantom power on/off for commentator MIC A/B     |
| <b>PHONES MODE A/B:</b> | Split-Ear setting for MIC A, MIC B, I/COM, AUX 1 and AUX 2 (left, middle, right) |
| <b>ALWAYS A/B:</b>      | Sets sidetone for MIC A/B independent from ON AIR status                         |

# Specifications

## Features:

- High quality microphone preamplifier with 48V supply, transformer balanced input, low-cut, +6dBu Limiter and level meter
- All line inputs electronically balanced, all line outputs transformer balanced
- Large illuminated pushbutton switches for ON AIR and COUGH/MIC MUTE
- 16 free programmable intercom keys with 8 character high-res OLED displays
- Additional programmable and remote controllable mono line input (e.g. to feed local playback sources) and speaker output
- High quality headphone amplifier with monitor mix section: 3 source level controls, side-tone and overall level
- Elaborated split-ear operation for commentary headphones: all sources routable
- Connectors for two commentary headsets and two additional intercom headsets
- Integrated speaker and removable gooseneck microphone for intercom operation
- Stand-alone/emergency mode operation
- Power-supply redundancy via DC connector
- Quick and easy set-up

### Power

|   |                          |
|---|--------------------------|
| Internal power-supply:                                | 90 – 253V AC (47 – 63Hz) |
| Power-supply redundancy via input for external power: | 10 – 16V DC via XLR4     |

### Microphone Input (MIC A IN, MIC B IN)

|                      |                       |
|----------------------|-----------------------|
| Coupling:            | Transformer           |
| Phantom Power:       | 48V                   |
| Gain Range:          | 10 – 70dB             |
| Gain Switch:         | -20dB                 |
| Maximum Input Level: | +6dBu                 |
| High-Pass Filter:    | 100Hz                 |
| Limiter:             | @ +6dBu               |
| Input Noise Voltage: | -126dBu @ 200Ω Source |
| CMRR:                | >60dB @ 1kHz          |

### Audio Line Input (AUX 1 IN, AUX 2 IN)

|                      |                      |
|----------------------|----------------------|
| Coupling:            | Transformer          |
| Impedance:           | ≥10kΩ                |
| Maximum Input Level: | +18dBu               |
| Nominal Input Level: | +6dBu                |
| Input Noise Voltage: | -73dBu (20Hz-22kHz)  |
| THD+N:               | <0.1% (+18dBu, 1kHz) |
| CMRR:                | >60dB @ 1kHz         |

### Audio Line Input (LINE IN)

|                      |                       |
|----------------------|-----------------------|
| Coupling:            | Electrically balanced |
| Impedance:           | ≥10kΩ                 |
| Input Level:         | -10 ... +18dBu        |
| Nominal Input Level: | +6dBu                 |
| Input Noise Voltage: | -73dBu (20Hz-20kHz)   |
| THD+N:               | <0.2% (<0.05% @ 1kHz) |
| SNR:                 | >91dB                 |

### Audio Line Output (DIRECT OUT A, DIRECT OUT B, AIR A OUT, AIR B OUT, AIR A+B OUT)

|                       |   |
|-----------------------|---|
| Coupling:             | Transformer                               |
| Impedance:            | ≤ 50Ω                                     |
| Maximum Output Level: | +18dBu                                    |
| Nominal Output Level: | +6dBu                                     |
| Output Noise Voltage: | -100dBu (20Hz-22kHz)                      |
| THD+N:                | <0.02% (+6dBu, 1kHz), <0.2% (+6dBu, 40Hz) |

### Headphone (PHONE A, PHONE B)

|                       |                       |
|-----------------------|-----------------------|
| Load:                 | >25Ω                  |
| Maximum Output Level: | +25dBu                |
| Output Noise Voltage: | -75dBu                |
| THD+N:                | <0.05% (+18dBu, 1kHz) |

### Connectors (front)

|                     |  |
|---------------------|--|
| Phones A:           | Headphones connector (Stereo 6.3mm) for commentary headphone A   |
| MIC A:              | High-quality microphone input (XLR3) for commentary microphone with 48V phantom power (switchable), adjustable gain (control on the rear side), integrated limiter for On-Air signal |
| Headset A Intercom: | Headset Connector (XLR4) for Intercom Headset A (dynamic or electret microphone)   |
| Headset B Intercom: | Headset Connector (XLR4) for Intercom Headset B (dynamic or electret microphone)   |
| MIC B:              | High-quality microphone input (XLR3) for commentary microphone with 48V phantom power (switchable), adjustable gain (control on the rear side), integrated limiter for On-Air signal |
| Phones B:           | Headphones connector (Stereo 6.3mm) for commentary headphones B  |



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