

CS1066

Voice/music management system for 6 zones

The CS 1066 is RCF's solution to the need for a simple system in which microphone announcements can be sent selectively to the desired zones.

The heart of the CS 1066 system is the PD 1066 compact rack mount unit (1U), which activates the announcement and music lines separately in 6 zones. All the control keys have LED indicators. Depending on the dimensions and configuration of the system, it is possible to switch the speaker lines directly onto the outputs of the constant voltage amplifiers (separate amps for voice and music), or it is possible to intervene on the output of the preamplification circuits (0 dB signal), involving the use of one or more power amplifiers for each zone of the system.

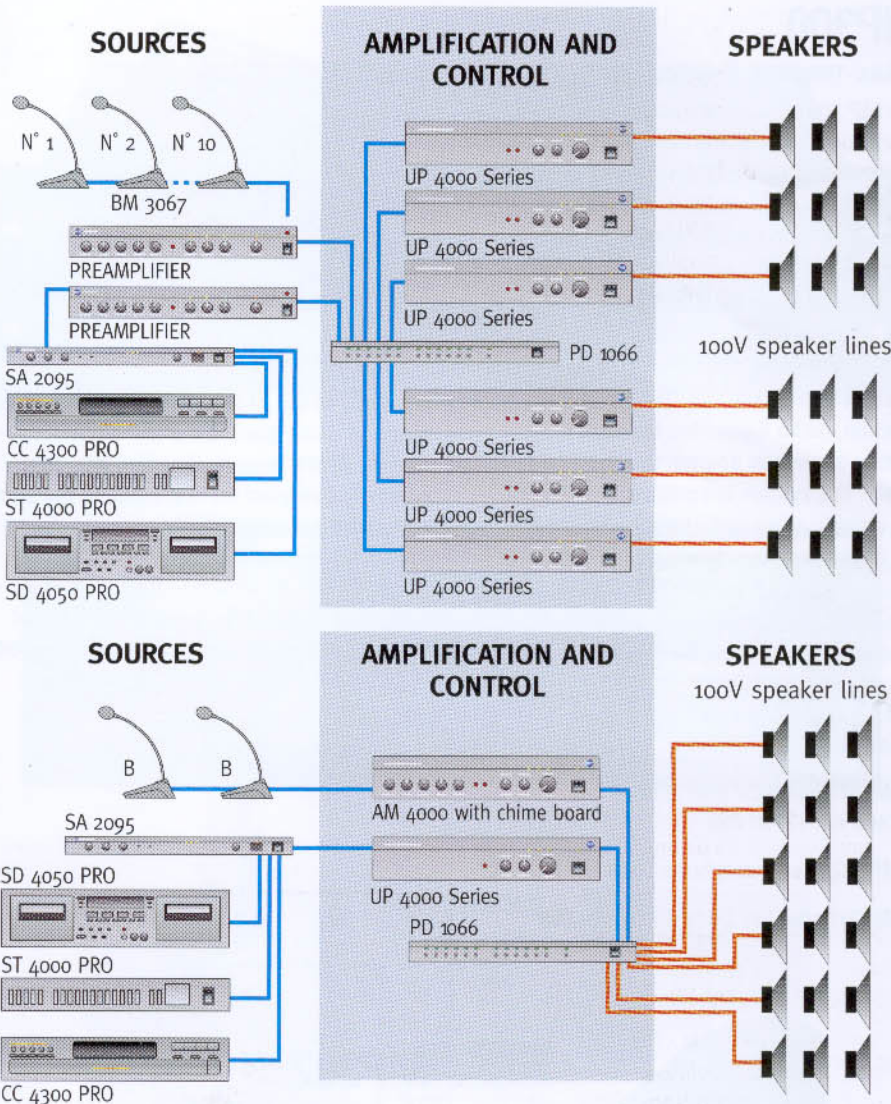
The general call function can also be controlled by an external device as well as from the front panel of the unit. The dedicated BM 3067 microphone stand with pushbutton are used for sending selective or general microphone announcements to the 6 zones of the system.

The BM 3067 microphone stand has 6 zone buttons, a general call button, a microphone activation button, and an auxiliary emergency button which can execute a closing control on the rear panel of the PD 1066.

It also has a built-in siren generator which can be activated with the emergency button.

Depending on the application, the audio output of the BM 3066 can be set for "microphone" or "line" level. The stand is supplied with a 5-metre cable for connection to the PD 1066 panel and the amplifier.

It is also possible to use 10 stands connected in cascade (interlocking and priority levels can be defined).



BM3067 Code no. 143.20.138

MICROPHONE STAND

Expressly designed to be used with the PD 1066 switching unit. Equipped with six "Speakers" buttons used for selecting the audio zones in which a microphone announcement is to be made, interrupting the background music where present (system with 2 amplifiers). When the stand is connected to a high level input of the amplifier, the maximum distance can reach 1000 metres

without any problems of disturbance or interference (with balanced line). By activating the "Alarm" function, it is possible to drive the amplifier with a two-tone siren signal incorporated in the stand. The audio cable has an auxiliary conductor for controlling the chime board of the amp, where present (e.g. A 1708 board for RCF 4000 series amps). The stand can be permanently attached to the support surface. The dynamic microphone features high sensitivity. The output level can be selected between two values for connecting the stand to either a microphone input of the amplifier (low level) or a line input (high level). Two-tone siren activated by means of the "Alarm" button, with adjustable volume and oscillation frequency. An auxiliary input makes it possible to connect up to ten BM 3067 stands in series which will drive only one line input of the amplifier (high level). Four possible operating modes: mixed, interlocking, mixed with two stands having graduated priority, interlocking with two stands having graduated priority. The stand has a button for acti-

vating the "General Call" function on the PD 1066 unit; a button for activating the "Alarm" function on the PD 1066; 6 buttons for activating the "Speakers" relays of the PD 1066 unit; and a button for latching activation of the microphone. Body in plastic. Black chromium-plated 320 mm gooseneck. Five-metre audio cable with 3-pin XLR connector for connection with the amplifier. Five-metre cable for connection with the PD 1066 unit.



PD1066

Code no. 171.20.047

VOICE/MUSIC CONTROL UNIT

The main functions of the PD 1066 unit can be remote-controlled using the BM 3067 microphone stand.

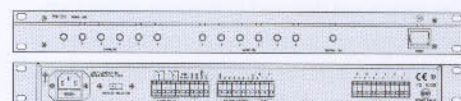
The PD 1066 offers two system configuration options:

- System with 1 amplifier for each zone
- System with 6 audio zones covered by means of two amplifiers, one of which is dedicated to voice transmission and the other to music. The system makes it possible to choose in which of the 6 audio zones the background music is played normally ("Music on" buttons), and to select the zones in which the background music will be interrupted for a microphone announcement ("Speakers" buttons).
- System with 6 audio zones using a single amplifier for voice/music. With this system, you can choose in which of the 6 audio zones the voice or music transmission will be made.
- 6 "Speakers" buttons for selective music/voice switching in 6 audio zones ("Speakers" relays).
- 6 "Music on" buttons transmitting the music selectively to 6 audio zones.
- "General Call" button for switching all 6 "Speakers" relays of the unit.
- "Alarm" function for switching an incorporated auxiliary relay with 2 switching contacts on terminal strip.
- 24 Vdc output for supplying the BM 3067

microphone stands.

- Remote control of music/voice switching by means of the BM 3067 microphone stand, or by normal pushbuttons or switches.
- Remote control of the "General Call" function by means of the BM 3067 microphone stand, or by a normal pushbutton or switch.
- Remote control of the "General Call" function by means of an external 10-24 Vdc power supply (e.g. "override command" supply).

- LED indicators for Speakers, Music On, and General Call.
- Frame suitable for rack mounting.
- Dual power supply in alternating current (115/230 Vac).
- Power supply in direct current 24Vdc.
- Removable terminal strip for connections.



SPECIFICATIONS

Type	BM 3067
Directivity	Unidirectional - cardioid
Microphone sensitivity	1,4 mV/Pa
Output level	High level: 0 dB (775 mV) - balanced Low level: -42 dB (2 mV) - balanced
Output impedance	High level: 600 Ω Low level: 600 Ω
High level input sensitivity	0 dB (775 mV) - balanced
High level input impedance	50 Ω
Frequency response	250 - 7.000 Hz
Distortion	< 0,5 %
Signal/noise ratio	80 dB
Siren signal frequency	554 - 440 Hz
Power supply / Consumption	24 Vdc - 50 mA (via PD 1066)
Power supply in direct current	24 Vdc
Dimensions (LxHxP)	132 x 200 x 70 mm (without gooseneck)
Weight	1,8 kg
Optional accessories	CA 40 • Connection cable available in coils of 100 m - code no. 143.40.020 (code refers to 1 m of cable) CA 3000 • Additional cable for connection with PD 1066 - code no. 123.10.020

SPECIFICATIONS

Type	PD 1066
Input for amplifiers	2
Outputs for amplifiers (zones)	6
Max. power applicable (pot. amplific. musica/annunci)	100 V: 500 W 70 V: 350 W 50 V: 250 W 25 V: 125 W
"Speakers" relays	6 relays - max. contact capacity 5 A
"Alarm" auxiliary relay	1 relay with 2 switching contacts max. contact capacity 5 A
"Override Command" input	10÷24 Vdc
Remote controls	General "Speakers" relay control Selective "Speakers" relay control "Alarm" relay control
Auxiliary power supply output	24 Vdc - 300 mA max
Power supply / Consumption	115/230 Vac ($\pm 5\%$) 50÷60 Hz / 10 VA
Power supply in direct current	24 Vdc
Dimensions (LxHxP)	482x44x160 mm (1 rack unit)
Weight	2,8 kg