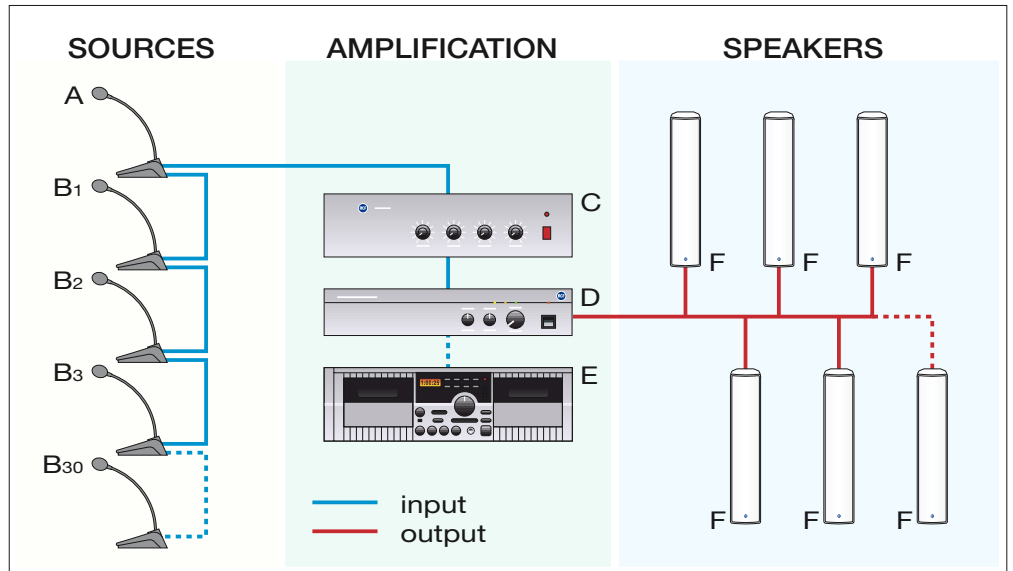# SYSTEMS FOR MEETINGS AND BOARD ROOMS
DI.CO. 40

The extreme simplicity of installation and use makes the DI.CO 40 system ideal for both temporary and permanent installations in small board rooms. The basic components of the system are the DI.CO/40 amplifier and the BM 3042 and BM 3043 microphone stands with built-in loudspeaker. The DI.CO/40 amplifier, equipped with a special microphone preamplifier, can be connected to a maximum of 30 microphone stands in cascade. The BM 3042 is used for the chairman's position and has two pushbuttons: one for latching microphone activation in mixed mode with the BM 3043 stands, and the other for momentary microphone activation with priority over the BM 3043 stands. The BM 3043 microphone stand is used for the participants and has only the button for latching microphone activation in mixed mode with the other stands of the system.

SOURCES	AMPLIFICATION	SPEAKERS

A

B_1

B_2

B_3

B_{30}

C

D

E

— input
— output

A — BM 3042
 Chairman's microphone stand
B — BM 3043 (B_1-B_{30})
 Participant's microphone stand
C — DI.CO/40 Amplifier
D — Amplifier (AM 4000 series)
 for audience area speakers

E — Recorder (optional)
F — Speakers for the audience area
 (see pages 11-13)

DI.CO/40

BM 3043

BM 3042

> **EXTREME SIMPLICITY OF INSTALLATION AND USE MAKE THE DI.CO/40 SYSTEM IDEAL FOR CREATING BOTH TEMPORARY AND PERMANENT INSTALLATIONS IN SMALL CONFERENCE ROOMS.**

Compact system for meetings in small conference rooms

DI.CO/40

- DESK IN input for connecting up to 30 BM 3042/BM 3043 microphone stands in series.
- Input for auxiliary microphone with priority status.
- Auxiliary output for recording the conference proceedings.
- Outputs for constant impedance and constant voltage speakers.
- Independent treble and bass controls.
- PA/HF filter.
- Final stages automatically protected against overload and short circuits.
- Emergency power supply by means of 12 V battery.

BM 3042
BM 3043

Microphone stands used for the chairman (BM 3042) and participants (BM 3043) in the DI.CO/40 compact conference system.

- Microphone with high sensitivity and extended frequency response.
- TALK button for latched activation of the microphone in mixed mode with the other stands in the system.
- PRIORITY button on the BM 3042 stand for momentary activation of the microphone with exclusion of any active BM 3043 stands.
- Built-in monitor speaker.
- 300 mm gooseneck, black chromium-plated to resist scratching and eliminate undesired reflections.
- Base in plastic which is particularly resistant to shock and handling.
- 2-metre connection cable with 7-pin DIN plug.

Sound system for conference rooms with reinforcement speakers for the audience area.

SYSTEMS FOR CONFERENCES AND VOTING
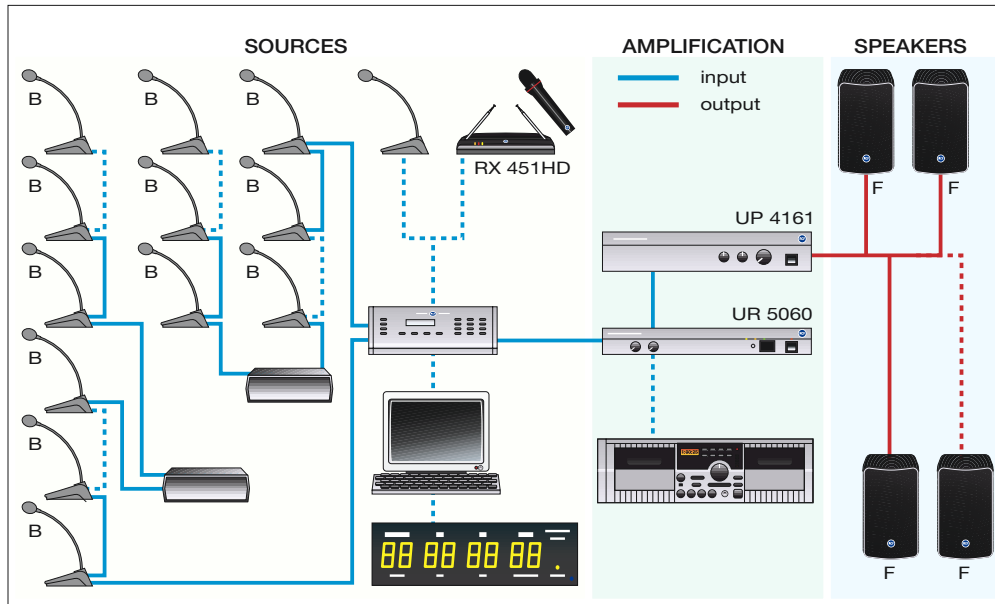## SC 5500 • SC 5500/V

The SC 5500 conference system is designed for managing the various speeches made in conference and convention settings. The system also includes a "Voting" function (available using the BM 5051-V and BM 5052-V microphone stands) which provides a fast and simple means of voting on any issue being discussed. A universal input for audio sources such as auxiliary microphones or wireless microphones, etc., can operate in mixed mode with the participants' and chairman's microphone stands. This makes it possible for persons in the audience to speak, as well as for voice messages to be transmitted within the system by the secretary or participants. The system features four different operating modes:
• Conference
• Automatic conference
• Free discussion
• Voting
The SC 5500 system can also be handled by a personal computer with the aid of a simple programme operating in WINDOWS which is provided with the system.

CG 5010

CG 5010
Control unit

The microprocessor incorporated in the console is the heart of the SC 5500 system, as it continuously controls the status of all the microphone stands and maintains a memory of the queue of speakers, up to a maximum of 20 bookings. The messages which appear on the console display can be shown in 5 different languages: Italian, English, French, German, and Spanish. The CG 5010 is equipped with:
• a back-lighted alphanumerical liquid crystal display for keeping a check on the system functions even in low-light situations;
• a numerical keypad with four function keys used for setting one of the four system operating modes.

SOURCES   **AMPLIFICATION**   **SPEAKERS**

— input
— output

RX 451HD

UP 4161

UR 5060

BM 5052

BM 5051
Microphone stand

The BM 5051 stand is used for the conference participants. The stand has a built-in loudspeaker which makes it easier to hear the speeches of the other conference participants, but which is excluded when that microphone is activated. The LED ring around the microphone unit lights up when the microphone is activated, so that all the conference participants can see who is speaking.

BM 5052
Microphone stand

The BM 5052 stand is used for the conference chairman. The stand has a built-in loudspeaker which makes it easier to hear the speeches of the other conference participants. The loudspeaker is excluded when the chairman's microphone is activated. The LED ring around the microphone unit lights up when the chairman's microphone is activated, so that all the participants can see when the chairman is speaking.

BM 5051   BM 5051   BM 5051

THE SC 5500 IS DESIGNED FOR EFFICIENT HANDLING OF THE SPEECHES OF UP TO 63 PARTICIPANTS PLUS THE CHAIRMAN IN CONFERENCES AND CONVENTIONS.

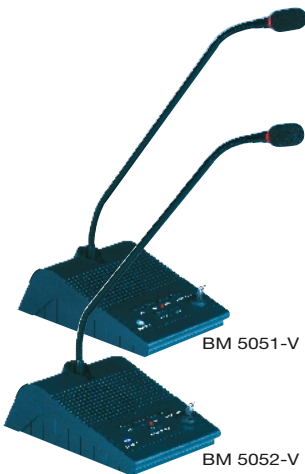## BM 5051-V
BM 5052-V
Microphone stands

These stands are used as the participant's and chairman's positions, respectively, and have the same functions as the BM 5051 and BM 5052 with the addition of pushbuttons which are used for expressing preferences when the system is used in Voting mode.

TB 5000
Lighted display board

The TB 5000 board can be used for displaying the following information:
- voting results
- the name (or associated number) of the participant enabled to speak
- the type of voting (open or secret ballot)
- the list of bookings in CONFERENCE and AUTOMATIC CONFERENCE modes
- The TB 5000 can be connected to the serial port of a personal computer and controlled by the programme supplied with the system.

BM 5051-V

BM 5052-V

TB 5000

UR 5060
Receiver unit

In addition to providing the power supply to the entire system, the UR 5060 receiver unit picks up the audio signals coming from the microphone stands, amplifies them and sends them to the loudspeakers on the stands.
The UR 5060 is also equipped with:
- a balanced audio output for an amplifier used for the common areas
- an unbalanced audio output for a cassette recorder
- monitor speaker with respective volume control knob
- headphone jack that functions in alternative to the monitor speaker
- volume control for adjusting the level of the signal sent to the microphone stand loudspeakers
- LED VU-meter for checking the volume level
- input for cassette recorder.

US 5020
Adder unit

This unit powers the microphone stands and makes it possible to reach the maximum capacity of the system (64 microphone stands). The adder unit can be necessary when there are more than 16 stands in the system, or when the cables that connect the stands are of considerable length.

Software support

All the system functions can be controlled by a special software programme which operates in WINDOWS.
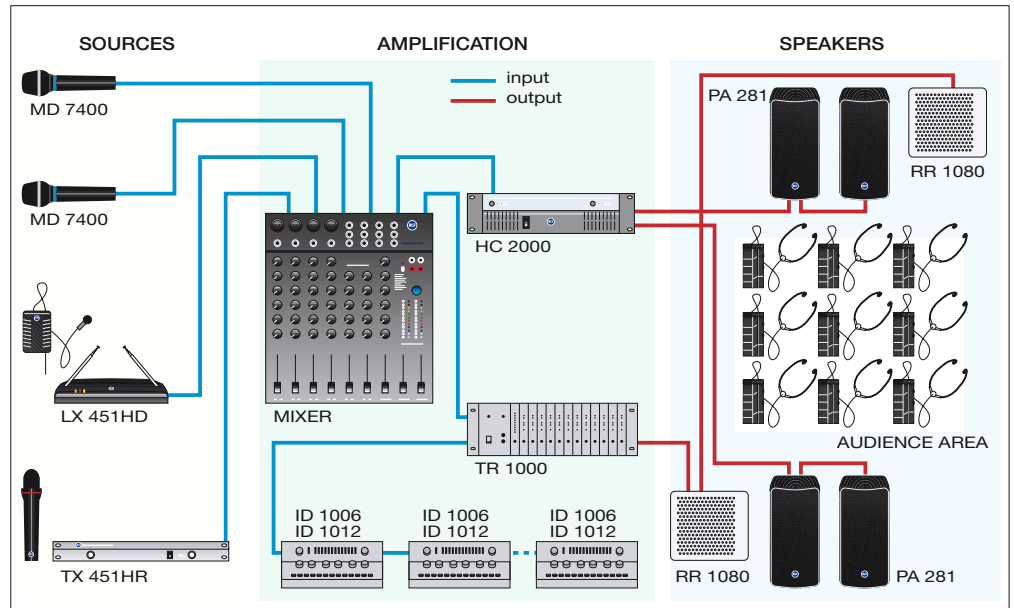This easy-to-use programme reproduces all the controls and functions of the central console, and also enables a number of personalized functions, such as the association of a name or abbreviation to each participant, or storage of the voting results in a file or on a printout. When the computer is used, it is also possible to have the results stored in a file in open mode voting. The programme is provided complete with the interface for controlling the TB 5000 display board. When a printer is available and the system is in CONFERENCE mode, a printout can be made of the duration of each speech. In VOTING mode, a personalized voting report can be printed out including the subject of the vote and any comments. For open voting, the report also contains the names of the voters divided according to the preferences expressed.

SIMULTANEOUS INTERPRETING SYSTEMS
THESYS 1000

The THESYS 1000 simultaneous interpreting system completes RCF's wide range of components and systems for congress centres and conference rooms. Thanks to infrared transmission and the particular system components, THESYS 1000 is extremely simple to use. The system includes up to 12 transmission channels and ensures that all the conference proceedings remain strictly reserved, as it is virtually impossible for the translation to be picked up outside the room in which the system is being used. The high degree of flexibility in accepting different input levels ensures easy connection to other equipment such as preamplifiers, microphones, and conference audio systems.

SOURCES — MD 7400 — MD 7400 — LX 451HD — TX 451HR

AMPLIFICATION — input — output — MIXER — HC 2000 — TR 1000 — ID 1006 / ID 1012 — ID 1006 / ID 1012 — ID 1006 / ID 1012

SPEAKERS — PA 281 — RR 1080 — AUDIENCE AREA — RR 1080 — PA 281

ID 1006
6 channels
ID 1012
12 channels
Multichannel console for interpreters

Available in versions with 6 or 12 channels. Because the interpreter's console is subject to a high level of interaction with the operator, the ID 1006 and 1012 have been designed and constructed according to the most advanced standards of ergonomics and functionality. The console is equipped with headphone jacks for two interpreters working in alternating shifts, plus an added position for listening only.
Each interpreter can select his/her own input channel, choosing between the speaker and any of the translation channels. The system includes a range of controls and LED indicators (in compliance with ISO standards) and can be connected to an IX 1070 intercom system.

TR 1000/8
TR 1000/12

TR 1000/8
TR 1000/12
Modular infrared transmitter

Two models available (max. 8 or max. 12 channel boards).
The modular transmitter is equipped with 8 or 12 slots for installing the CB 1010 channel boards, one for each language plus one for the original language being transmitted in the room.
The boards are inserted from the front of the unit and have a universal format which makes them interchangeable. The channels are differentiated by the position of the boards.

ID 1006
ID 10012

IH 1080

IH 1080
Headphones with microphone for interpreters.

SP 1081
Earpiece covers for RH 1080. Set of 100 spares.

THE THESYS 1000 SIMULTANEOUS INTERPRETING SYSTEM WITH INFRARED TRANSMISSION HANDLES UP TO A MAXIMUM OF 12 CHANNELS (NUMBER OF LANGUAGES TRANSLATED).

IX 1070

Intercom system for communication between the operator and the interpreters. The system enables two-way communication between the interpreters and the conference secretary's booth. The control board can be interconnected with the general amplification system. A built-in loudspeaker makes it possible for the operator to monitor the incoming messages, and each call transmitted to the control board is sent directly to the loudspeaker and indicated by a LED. The operator can send a message to each interpreter's console by simply pressing one of the 15 buttons on the front panel, at which the respective INTERCOM LED indicator on the interpreters' panel lights up.
The device also has a special circuit for protection against feedback.

LR 1000
Multichannel infrared receiver

Receiver for simultaneous interpreting systems with infrared transmission. The LR 1000 has an attractive design and is easy to use, fitting easily into a jacket pocket. The infrared signal offers the user complete freedom of movement within the conference area. The receiver is equipped with on/off switch, potentiometer, channel selector, headphone jack, connector for battery recharge, power ON LED, and clip for belt attachment..

LR 1000

RH 1080

RH 1080

Stethoscopic headphones with magnetic transducers incorporated and replaceable rubber earpiece covers.

RH 1084

RH 1084

Single earphone. Ergonomic and comfortable design. Ultra-light (only 23 g including cable and plug). Complete with dynamic loudspeaker.

RR 1080

RR 1080
Infrared transmitter

Equipped with 238 transmission diodes and three LEDs for failure, stand-by, and normal operation. Thanks to its compact size, the RR 1080 is easy to integrate in any space. A specially designed system ensures coverage of the entire conference area without signal drop-out zones. The number and location of the transmitters to be used depends on the size and structural characteristics of the area to be covered.

PC 1092/6

Rack panel for remote control of the LD 1090/6.

BR 1050
Case for carrying and recharging fifty LR 1000 receivers

A portable container which holds up to 50 LR 1000 receivers, equipped with timed circuit for battery charging/discharging which automatically adapts to the voltage used for charging and maintenance.
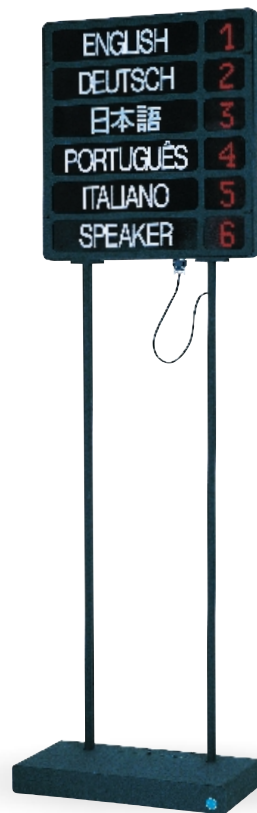
BR 1050

LD 1090/6
Language display board for 6 channels

Displays the languages being translated with the respective transmission channels. Includes six panels with attachment supports, each panel indicating the corresponding language with LED display. Metallic finish.

FC 1091/6
Floor stand for LD 1090/6

Ideal for mobile installations, this stand for the LD 1090/6 includes a power supplier and six switches (one for each language). Equipped with wheels to facilitate transport.

LD 1090/6

ENGLISH	1
DEUTSCH	2
日本語	3
PORTUGUÊS	4
ITALIANO	5
SPEAKER	6

FC 1091/6

AUDIO SYSTEMS FOR CONGRESS AND MULTIPURPOSE HALLS

I n this type of application, the high power of the amplification system re-quires the use of professional components, particularly for the final power stages and the speakers. The Vision Series speakers have been specifically designed for use in permanent installations, and offer a wide range of accessories for attachment and fitting in any position. The high quality of the sound reproduced by the Vision speakers can be further enhanced by using the DP 260 processor which adapts speaker performance to the particular characteristics of the space.
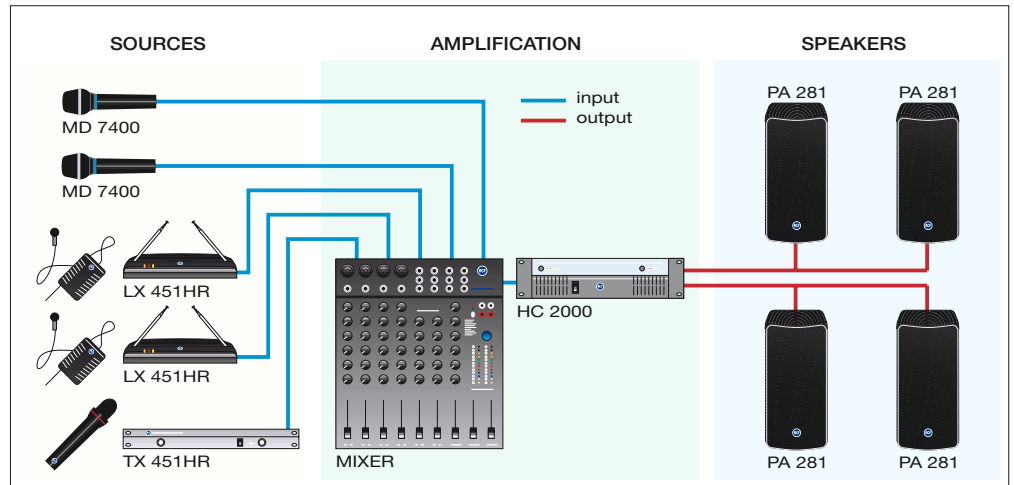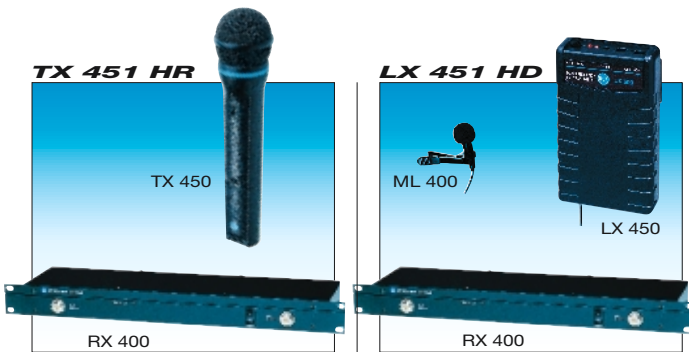

Diagram for congress and multipurpose halls

TX 451 HR

TX 450 hand-held transmitter with RX 400 rack receiver.

LX 451 HR

LX 450 portable transmitter with RX 400 rack receiver.

ML 400
Clip-on microphone

Extremely sensitive electret clip-on microphone with 3.5 mm gold-plated jack and attachment clamp.

LX 400
Portable transmitter

- Input for dynamic microphones and for electret microphones (with power supply up to 5 V).
- Continuous input regulator for optimal modulation.
- The input stage is designed to ensure the best transmission of speech and singing.
- Advanced construction with SMD technology.
- Reduced current consumption and therefore longer operating time.
- Highly flexible wire antenna resistant to breakage.

RX 400
Rack receiver

- Multiple operation with simultaneous channels (up to 8 channels).
- Two BNC antenna sockets, on the front and rear panels, to use as desired.
- Solid metal body.
- Two VH 502 steel wire antennas.

**CONGRESS AND MULTIPURPOSE HALLS,
GIVEN THEIR PARTICULAR CHARACTERISTICS,
REQUIRE HIGH QUALITY SYSTEMS FOR BOTH SPEECH
AND MUSIC REPRODUCTION.**
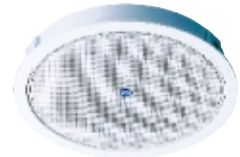
DCA 1050

HC-2000
High current series

Professional stereo amplifier.
• High Current circuitry
• Possibility to drive on 2 W load
• Soft Clip Limiter
• 4 kVA toroidal transformer
• Maximum peak-peak output voltage: 90 V

HC 3200
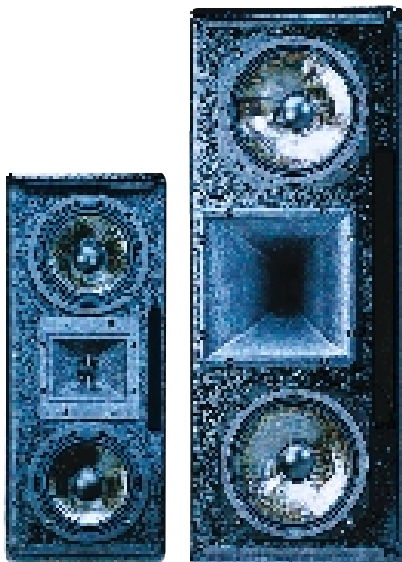**High current series**

Professional stereo amplifier
• High Current circuitry
• Possibility to drive on 2 W load
• Soft Clip Limiter
• 7.5 kVA toroidal transformer
• Maximum peak-peak output voltage: 120 V

DCA 550
DCA 1050
Professional stereo amplifiers

• MOSFET power circuitry
• High efficiency cooling
• Thermal protection, DC, RFI (Low Impedance)
• Soft Clip Limiter
• Soft Start
• Speakon power outputs

PL 81/A

PL 81/A

Speaker for flush-mounting in false ceilings.
The speaker support ring and the quick bayonet hooking system make installation fast and easy.
Body in self-extinguishing plastic.

VISION SERIES

The Vision Series is a line of speakers featuring high intelligibility, specifically designed for use in permanent installations. With five bass reflex speakers plus a subwoofer, the line is completed by the DP 260 digital processor.
The five 2-way full range speakers (PA 261, PA 281, PA 121, PA 151, PA 152) feature crossover networks and transducers specially designed to guarantee the highest intelligibility. This is an essential characteristic for installations which require precise reproduction of music and speech in large enclosed spaces, and particularly in those with difficult acoustics.
For specific applications, the DP 260 processor can be used for improving the frequency response by means of a complete range of pre-programmed configurations. The DP 260 incorporates a sophisticated crossover with fine delay regulation, a parametric equalizer, and a limiter section that is programmable for each band.
The Vision Series speaker cabinets are made of painted multilayer birch wood. All the speakers in the series can be easily suspended using the M10 threaded inserts.

DP 260

VOICE REINFORCEMENT SYSTEMS FOR MEETING AND CONFERENCE ROOMS

When designing an amplification system for a conference or meeting room, particular consideration should be given to responding to all the acoustic, aesthetic, and environmental needs of the specific user. Microphones proposed in various types, as well as different types of speakers, make it possible to assemble systems tailored to the specific characteristics of each room. The know-how of RCF's systems engineers guarantees the best technical solutions for optimum system operation.
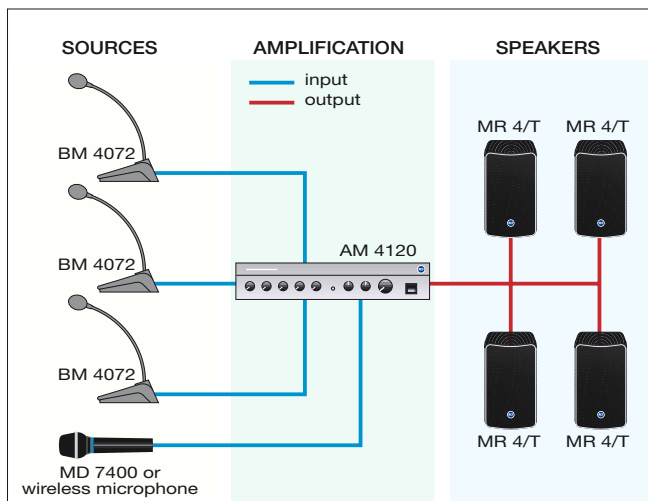
Diagram for conference and meeting rooms

TX 451 HD

LX 451 HD

TX 451 HD
LX 451 HD

These wireless microphones, available in both hand-held and clip-on versions, are very easy to install. The models to be used can be chosen from among 13 frequencies.

ML 400
CLip-on microphone

• Extremely sensitive electret clip-on microphone with 3.5 mm gold-plated jack and attachment clamp.

LX 450
Portable transmitter

• Input for dynamic microphones and for electret microphones (with power supply up to 5 V).
• Continuous input regulator for optimal modulation.
• The input stage is designed to ensure the best transmission of speech and singing.
• Advanced construction with SMD technology.
• Reduced current consumption and therefore longer operating time.
• Highly flexible wire antenna resistant to breakage.

TX 450
Hand-held transmitter

• Minimum continuous operation: 10 hours with standard 9V alkaline battery.
• LED indicator flashes when batteries have reached the minimum charge. The transmitter functions for 30 minutes more and then goes into muting status.
• Antenna integrated in the microphone unit.

DX 400
Table-top receiver

• Secure reception thanks to diversity system technology.
• LED indication of the A/B diversity channel active.
• The Mute LED indicates when the receiver is silent.

BM 4072

Microphone stand designed for use with the 4000 series amplifiers. Equipped with a high directivity condenser microphone and two pushbuttons, one for latching microphone activation and one for momentary activation.
.
MD 7400

Professional dynamic microphone, unidirectional with anti-noise suspension. Equipped with neodymium capsule. Low sensitivity to feedback.

MT 3100

Omnidirectional microphone designed for a wide variety of applications, including meetings, conferences, round table discussions, and video conferences.

**THE RCF VOICE REINFORCEMENT SYSTEMS ARE DESIGNED
USING A WIDE RANGE OF COMPONENTS,
ALL PERFECTLY SUITABLE TO SATISFY THE NEED
FOR HIGH QUALITY COMMUNICATION.**

AM 4060
AM 4120
AM 4160

Integrated amplifiers with powers from 60W to 160W. Equipped with XLR inputs and RCA stereo inputs. Complete with all the functions for incoming and outgoing signal control. Power supply in alternating current at 115/230 Vac and direct current at 24 Vdc.

CS 2020

Sound column incorporating 7 extended range loudspeakers. Body in extruded aluminium. Equipped with switch for adjusting the sound power delivered.

MR 4/T
(black)
MR 4W/T
(white)

High quality constant directivity speaker. Can be easily fitted on the wall or ceiling thanks to the wide range of installation accessories.
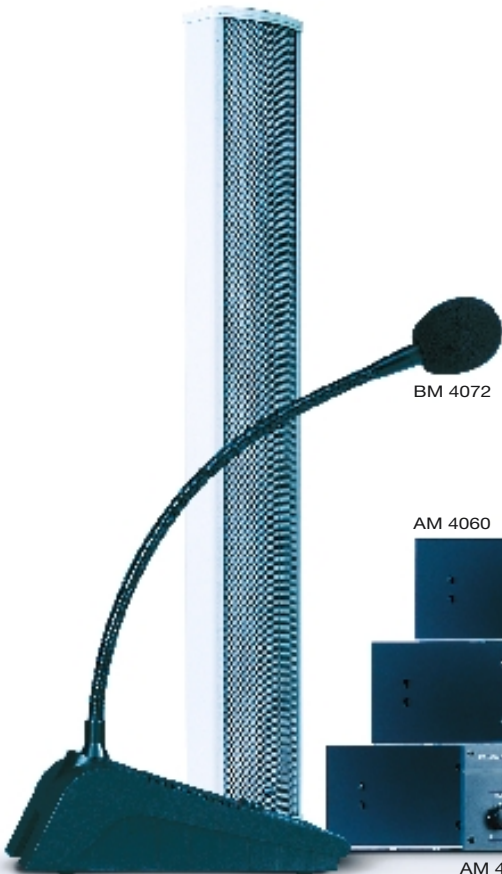
PL 80/A

Speaker for flush-mounting in false ceilings.
The speaker support ring and the quick bayonet hooking system make installation fast and easy.
Body in self-extinguishing plastic.

PL 80/A

CS 2020

BM 4072

AM 4060

AM 4160

MR 4W/T

MR 4/T