

The BA 1040 is the RCF solution for many of the smaller PA systems where the basic requirement is to page, distribute BGM and offer PABX PA paging access. The purpose is to provide the installation contractor the possibility to make such installations simple and give both to the contractor and the end user additional flexibility and ease in system set-up and regulation. RCF has therefore designed an innovative affordable digitally controlled system.

The BA 1040 system is composed of two devices:

- a system amplifier unit
- a paging control unit

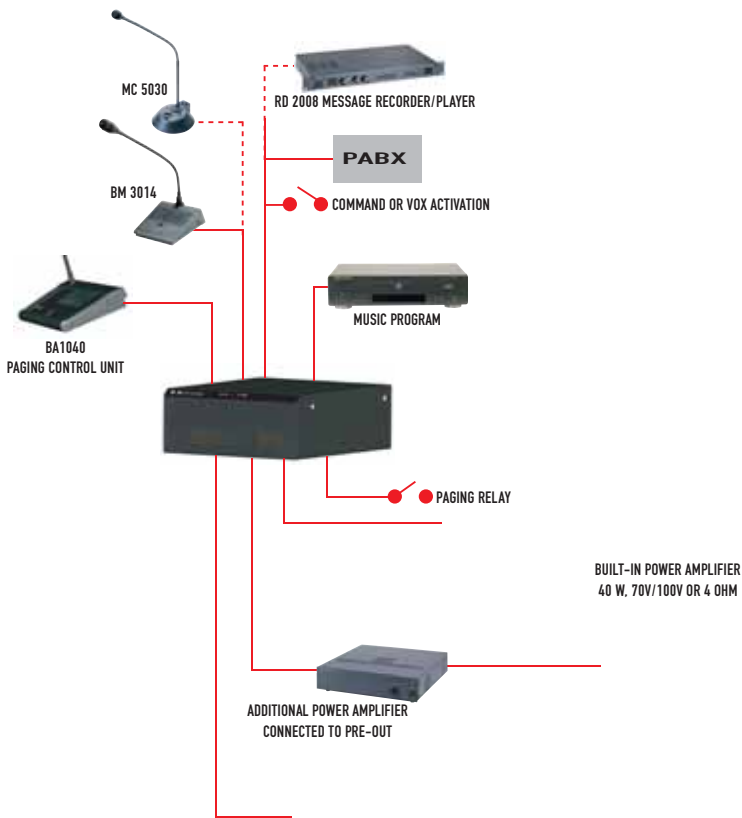
The system amplifier unit is a 2U high and 1/2 rack unit wide metal enclosure with shape and lay-out ideal also for wall and under-the-table mounting.

The system amplifier unit has a built-in 40W power amplifier with low impedance and constant voltage 100V output plus all other audio and utility connections and power supply.

Audio inputs are one dedicated for system paging controller, one for a BGM source and two additional (one MIC level -with Phantom Power option and one LINE level) with VOX and Command facility. Priority among speech inputs (all with priority over music program) is configurable, BGM attenuation level is configurable as well. A fully configurable PRE-OUT is available to provide BGM only, Paging only or Paging + BGM to an external device, such as 'Music on Hold' (MOH), power amplifier etc. The signal from this output is available both line level and through a 1W (on 8 Ohm) amplifier to drive a local speaker for monitoring purposes.

An AUX relay, activated every time paging is in process, has been supplied to drive attenuator overriding or other security applications.

The unit can work both connected to the mains and/or to a 12VDC battery. IN and OUT connections on the power system unit are through detachable 'eurobloc' screw terminals, except the BGM input which is an RCA stereo phono socket.



## BA 1040

Digital controlled public address system, configurable and adjustable from paging desk-top unit

### System Amplifier unit

- Suitable for wall, under-desk or rack mounting (with adaptor)
- Built-in 40W power amplifier with 100V, 70V and 8 Ohm speaker output
- 4 inputs: PAGING microphone, MIC input with phantom, LINE level input, MUSIC input
- VOX and logic-input facility configurable on MIC and LINE input, together with priority levels
- Output paging relay available for override commands (i.e. volume attenuators)
- Configurable pre-output (Paging + Music, Music only, Paging only) with both LINE and 2W/8 Ohm driving capacity
- All connectors are removable screw terminals
- AC or 12VDC operation
- Power, Communication and FLT indicators are available on front panel
- 16 X BA 1040 systems can be daisy chained on a dedicated BUS using CAT5 cable to get all-call facility from any paging unit, priority or interlock operation can be set

### Paging & Control unit

- Connected to System Amplifier unit with CAT5 cable
- LCD back-lit interactive display with dedicated buttons to configure and adjust both system inputs and outputs like Volume, Gain, Priority, Bass-Treble, Loudness, Chime tones etc.
- Miniature microphone and Smart PTT switch with indicator
- AUX PTT configurable switch for Emergency or local/remote paging facility
- Power and Fault LED indicators
- VU-meter and diagnostic messages shown on LCD
- AC or 12VDC local power supply input to be used for long connection only (over 50m)



System Amplifier



Paging Control Unit