



EMPR-8007 Universal Pre-Amplifier

The EMIX 8007 Universal pre-amplifier offer an ideal solution for small-medium size of commercial building used. Call and BGM (background music) capable of fulfilling a wide variety of public address requirement. It provides dual channel operation for call and BGM simultaneously up to maximum 32nodes combination of 30units of EMKP-8001 through a single shielded CAT-5E cable.

Buttons Configuration:-



1. **SELECT SOURCE** Press to select input source
Three inputs for background music selection by pressing the button
2. **MUTE ALL** Press to mute the unit
To mute all the output immediately by pressing the button

Pre-set Configuration:-



1. **PAGING**
Volume control adjust clockwise (min to max) to adjust the overall audio signal level of the paging microphone.
** Note: Minimum the volume of paging source does not mute the paging source.
2. **BGM**
This knob is used to adjust the overall level of the background music audio signal and this preset is not linked with the paging audio signal
3. **Bass enhancement (for BGM only)**
This knob is used to adjust the level of the bass on background music only and this preset does not effected the audio signal from EMKP-8001 digital paging console.
4. **Treble enhancement (for BGM only)**
This knob is used to adjust the level of the treble on background music only and this preset does not effected the audio signal from EMKP-8001 digital paging console.

Device configuration:-

1. Background music Inputs



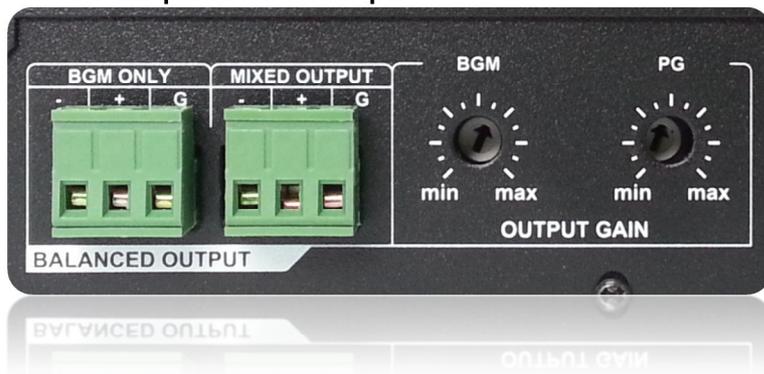
EMPR-8007 has three connections for background music (CD, AM/FM Tuner & Auxiliary) with individual gain control. You can connect 3 units but only one of the inputs is used depending on the selection in the LCD display.

2. Double RJ45 inputs



Microphone input has a speech filter for improved intelligibility, with this top priority function it can be automatically cut-off the background music while paging.

3. BGM Output & Mixed Output



EMPR-8007 provided 2 balanced outputs. BGM audio signal output just from background music inputs choose by user and it used in uninterrupted system. Where our MIXED audio signal output are combination from the signal of our EMKP-8001 digital paging console and background music source which normally we called it as interrupted system. Both of the audio signal outputs have individual gain control.

MIXED OUTPUT – The mixed output either audio signal from paging console or background music

BGM ONLY - Selected BGM source from the front panel source selector shall has an output via this port. This can be configuring as uninterrupted mode system for dual channel (paging & BGM) system.

4. Triggering ports



EMPR-8007 provided 2 relay contact for trigger other customize device. However, at the middle of the diagram external trigger port is provided (CALL ACTIVE +/-) for other emergency panel to trigger the current system into emergency mode.

CALL ACTIVE [NO/COM/NC] Port – This contact will automatically trigger when there is any paging (Call / All Call) turn on from the EMKP-8001 paging console.

CALL ACTIVE [+/-] Port – It designed for EMPG-8000, once this contact short from the EMEX-8003 decoder the system will automatically turn into ALL call mode in the EMZS-8012 and will automatically triggered the whole system. There will page with ALL CALL or you can used for emergency call purpose because it has the highest priority or remote trigger from other devices.

ALL CALL [NO/COM/NC] Port – This contact will automatically trigger when there is ALL CALL button pressed on the EMKP-8001 digital paging console.

- ❖ Both of the relay contact are dry contacts
- ❖ NO stand for normally open
- ❖ NC stand for normally closed
- ❖ COM stand for ground/negative

System configuration:-

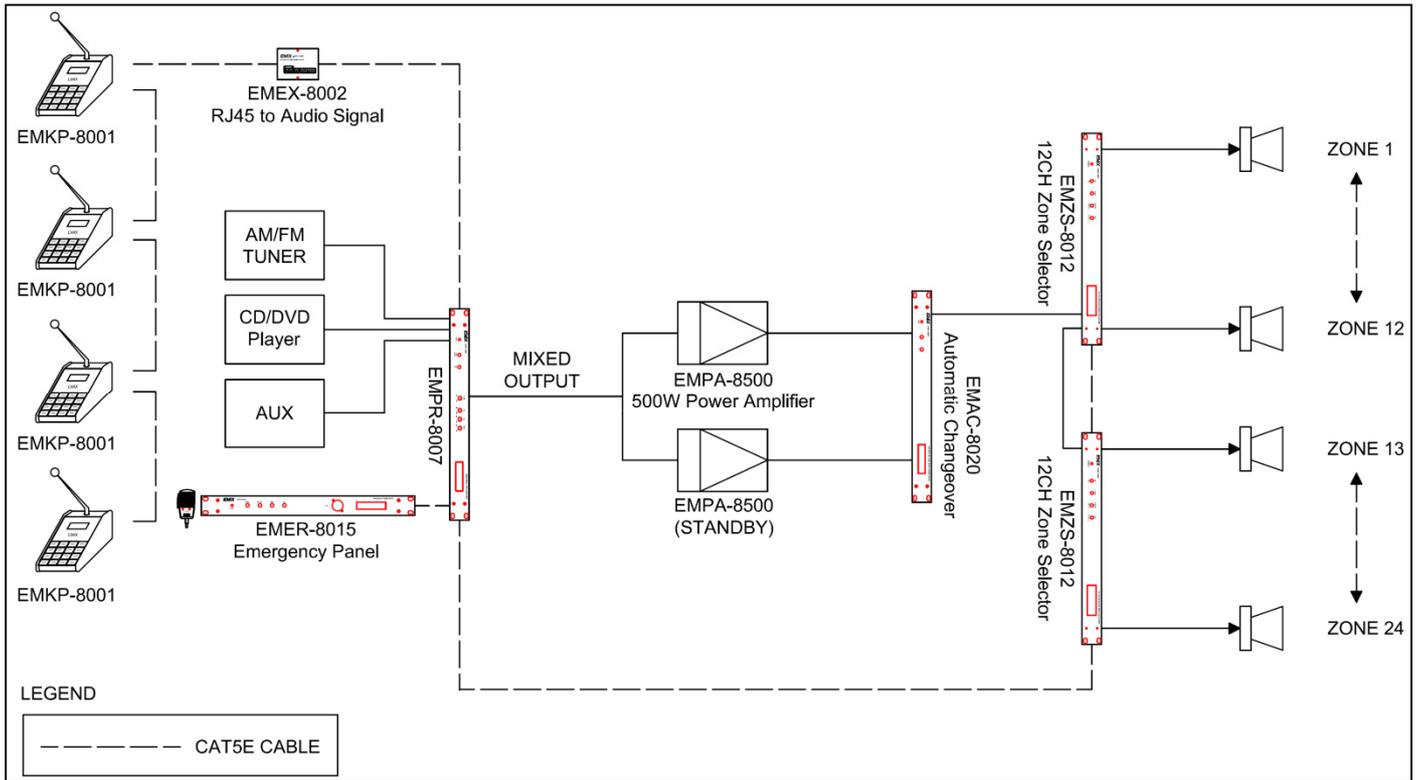


Diagram 1.0:- Single Line diagram for Interrupted System Configuration

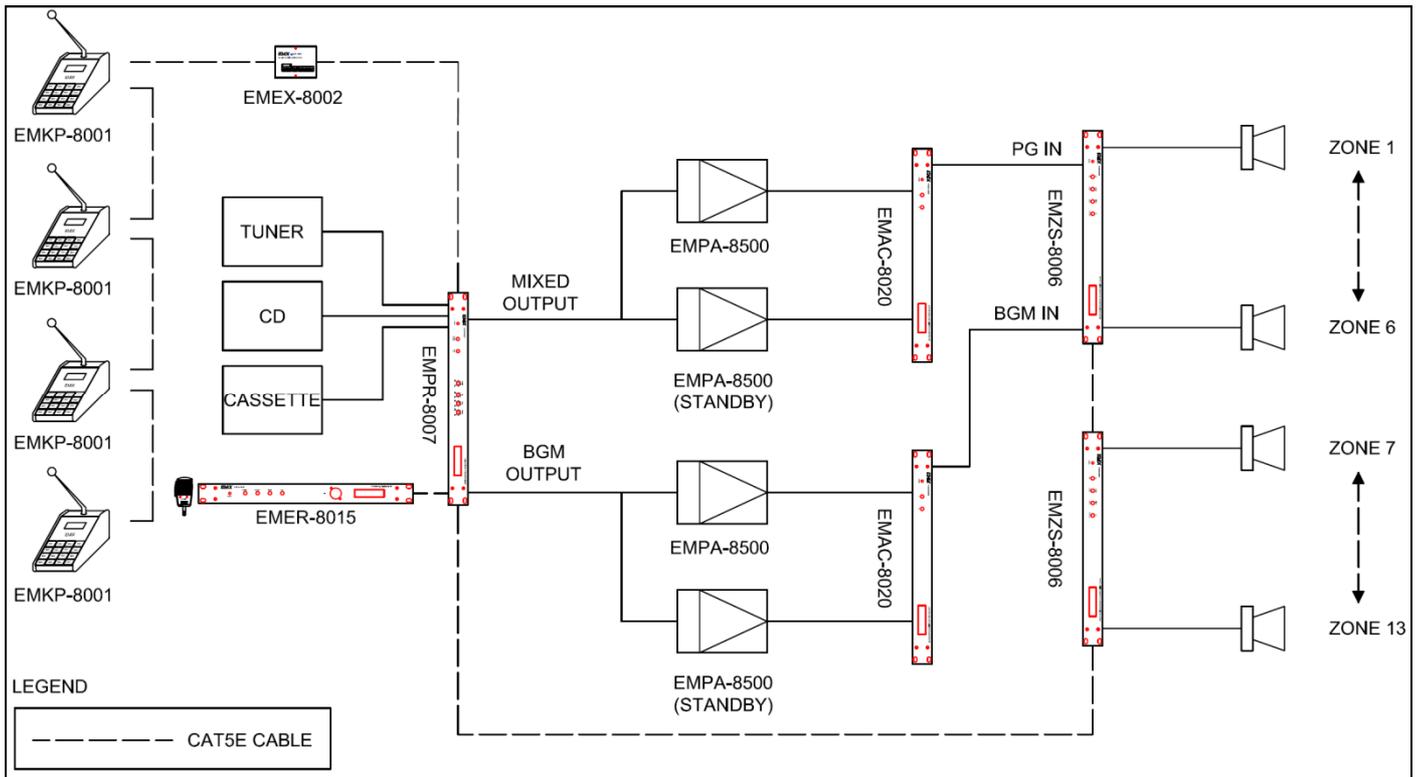


Diagram 1.1:- Single line diagram for Uninterrupted System Configuration

Operation (LCD):-

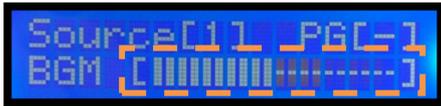


Diagram 1.2:- The diagram above shown it is a BGM's visual level meter



Diagram 1.3:- The diagram shown above PG[X] paging priority it is a priority level not how many paging microphone in the whole system

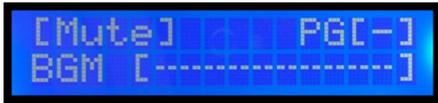


Diagram 1.4:- The diagram above shown the mute button pressed and it goes into MUTE mode. In this case, there will no BGM output in Mute Mode



Diagram 1.5:- The diagram above shown the Select Source button pressed and now source no.1 is selected



Diagram 1.6:- The diagram shown above the Select Source button pressed again from the diagram 1.3 and now Source no.2 is selected



Diagram 1.7:- The diagram shown above the Select Source button pressed again from the diagram 1.4 and now Source no.3 is selected



Diagram 1.8:- The diagram shown above when EMIX Digital Paging Console (EMKP-8001) with 1st priority is in paging mode and this situation came the background music will automatically cut-off



Diagram 1.9:- The diagram shown above when there is Emergency paging (E button on the EMKP-8001) or EMER-8015 Emergency panel is activated

