Music on Hold/Paging LIU
Installation Guide

SPECIFICATIONS:

Limiting:
- 800 mV Peak to Peak when Terminated with 600 ohms.
  OR
- 2.8V Peak to Peak when Terminated with 600 ohms.
- Selectable with internal jumper.
- Factory Default is 2.8V Peak to Peak

Frequency Response: 20 to 20KHz-designed to minimize distortion.

Input Attenuation: Unit comes standard with an input attenuator to accommodate higher input voltages and also act as a volume control. This control allows the level to be adjusted to eliminate clipping.

Isolation: 3000V

ACA requirements: Meets all ACA regulatory and safely requirements.

Connections:
  Music Input: Fixed 500mm long terminated with 3.5mm stereo plug.
  Output: 6 Way Modular Socket-mounted in case.

INSTALLATION GUIDE:

Connection of Music source to Key System / PABX

1. Ensure Key System / PABX is programmed for External Music on Hold and is enabled for this function. Referring to the System's documentation - determine if the 800mV limiting is necessary. If so open the LIU by removing the two screws on the bottom and change the internal link. Markings are on the PCB. NOTE: Factory default is 2.8V limiting.
2. Referring to the System's documentation - connect the LIU's "to System" Socket (6 Way Modular socket) to the System Music on Hold input using a standard line cord or the optional RJ to 3.5mm mono adaptor . The 3.5mm mono plug can be removed if termination can be made directly to a Krone block.
3. Connect the line output or headphone socket of the Music Source to the LIU's music source Input by using the 3.5mm stereo plug. (Use the appropriate adapter cable as necessary). Adjust the LIU's input adjust trim pot to maximum level - fully clockwise.
4. Switch on Music Source. Adjust the output to 25% of range if it is from a headphone socket - no adjustment is necessary if the line output is used.
5. Adjust the music source output level, the System's Music On Hold level adjust or the LIU's input attenuator to obtain the desired "Music On Hold" level. NOTE: should clipping or distortion occur then the LIU's input attenuator can be used to reduce the level before signal reaches the LIU's limiting stage.

Connection of Key System / PABX to External Paging System

1. Ensure Key System / PABX is programmed for External Paging.
2. Referring to the System's documentation - connect the LIU's "to System" Socket (6 Way Modular socket) to the System's paging output using a standard line cord.
3. Connect the LIU's music source input cord, with it's 3.5mm stereo plug, to the paging amplifier input. NOTE: both channels have the same paging signal and are connected through 200 ohms. (Use the appropriate adapter cable if the Paging Amplifier does not have 3.5mm input jack).
4. Adjust LIU trim pot to maximum level - fully clockwise.
5. Adjust paging amplifier level to obtain desired speaker level.

DC BLOCKING
Music on Hold/Paging LIU
Installation Guide

SPECIFICATIONS:

Limiting:
- 800 mV Peak to Peak when Terminated with 600 ohms.
  OR
- 2.8V Peak to Peak when Terminated with 600 ohms.
- Selectable with internal jumper.
- Factory Default is 2.8V Peak to Peak

Frequency Response: 20 to 20KHz-designed to minimize distortion.

Input Attenuation: Unit comes standard with an input attenuator to accommodate higher input voltages and also act as a volume control. This control allows the level to be adjusted to eliminate clipping.

Isolation: 3000V

DC Blocking: 60V DC blocking to System connection

ACA requirements: Meets all ACA regulatory and safely requirements.

Connections:
  Music Input: Fixed 500mm long terminated with 3.5mm stereo plug.
  Output: 6 Way Modular Socket-mounted in case.

INSTALLATION GUIDE:

Connection of Music source to Key System / PABX

1. Ensure Key System / PABX is programmed for External Music on Hold and is enabled for this function. Referring to the System's documentation - determine if the 800mV limiting is necessary. If so open the LIU by removing the two screws on the bottom and change the internal link. Markings are on the PCB. NOTE: Factory default is 2.8V limiting.
2. Referring to the System's documentation - connect the LIU's "to System" Socket (6 Way Modular socket) to the System Music on Hold input using a standard line cord or the optional RJ to 3.5mm mono adaptor . The 3.5mm mono plug can be removed if termination can be made directly to a Krone block.
3. Connect the line output or headphone socket of the Music Source to the LIU's music source Input by using the 3.5mm stereo plug. (Use the appropriate adapter cable as necessary). Adjust the LIU's input adjust trim pot to maximum level - fully clockwise.
4. Switch on Music Source. Adjust the output to 25% of range if it is from a headphone socket - no adjustment is necessary if the line output is used.
5. Adjust the music source output level, the System's Music On Hold level adjust or the LIU's input attenuator to obtain the desired "Music On Hold" level. NOTE: should clipping or distortion occur then the LIU's input attenuator can be used to reduce the level before signal reaches the LIU's limiting stage.

Connection of Key System / PABX to External Paging System

1. Ensure Key System / PABX is programmed for External Paging.
2. Referring to the System's documentation - connect the LIU's "to System" Socket (6 Way Modular socket) to the System's paging output using a standard line cord.
3. Connect the LIU's music source input cord, with it's 3.5mm stereo plug, to the paging amplifier input. NOTE: both channels have the same paging signal and are connected through 200 ohms. (Use the appropriate adapter cable if the Paging Amplifier does not have 3.5mm input jack).
4. Adjust LIU trim pot to maximum level - fully clockwise.
5. Adjust paging amplifier level to obtain desired speaker level.