

Powered LIU (LIU-PW 361/600)

Installation Guide for Music-on-Hold and Paging

SPECIFICATIONS:

Output Limiting	MOH Application: 800mVpk-pk or 2.8Vpk-pk (selectable with internal jumper) when terminated with 600 ohms. Factory default setting is 2.8Vpk-pk. Paging Application: Fixed 2.8Vpk-pk.
DC Feed	9V Plug Pack supplying DC current to looped trunk port programmed for MOH/Paging.
Frequency Response	20Hz to 20kHz, designed to minimise distortion.
Level Adjustment	Internal attenuator provides volume control, and can be used to eliminate clipping when connecting high signal outputs to low signal inputs.
Isolation	3kV
ACMA Requirements	Meets all ACMA regulatory and safety requirements.
Connections	MOH Input/Paging Output: Fixed 1.8m cable terminated with 3.5mm stereo plug. MOH Output /Paging Input: 6-way modular socket, pins 3&4 (centre pair).

INSTALLATION GUIDE – Music On Hold Applications:

1. Ensure keysystem/PABX is programmed for external Music on Hold.
2. Referring to the system's documentation, determine if the 800mVpk-pk 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.
3. Referring to the system's documentation, connect the LIU to the system trunk port (6-way modular socket) using a standard line cord.
4. Connect the Trillium 9V/300mA power adaptor to the 230V AC Mains.
5. Connect the LIU's 3.5mm stereo plug to the music source line output or headphone socket.
6. Initially adjust the LIU's input attenuator trim pot to maximum level - fully clockwise.
7. If the music source output is from a headphone socket, adjust the music output level to approximately 25% of its range. No adjustment is necessary if using a music source line output.
8. Switch on the music source.
9. Make a test call on the keysystem/PABX and observe the MoH level. Adjust either the music source output level or the LIU's input attenuator to obtain the desired 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.

INSTALLATION GUIDE – Paging Applications:

1. Ensure keysystem/PABX is programmed for external paging.
2. Referring to the keysystem/PABX documentation, connect the LIU to the system trunk port (6-way modular socket) using a standard line cord.
3. Connect the Trillium 9V/300mA power adaptor to the 230V AC Mains.
4. Connect the LIU's 3.5mm stereo plug to the paging equipment input.
5. Initially adjust the LIU's output attenuator trim pot to maximum level - fully clockwise.
6. Switch on the PA amplifier and any associated equipment.
7. Make a test call on the keysystem/PABX and observe the paging audio level. Adjust either the paging system input gain or the LIU's output attenuator to obtain the desired level. NOTE: should clipping or distortion occur then the LIU's output attenuator can be used to reduce the audio level before signal reaches the PA system input.