

**ALLEN&HEATH**

SERVICE MANUAL

**GL2800M**

**GL2800M**

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Allen & Heath Limited

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<http://www.allen-heath.com>

**Limited One Year Warranty**

This product is warranted to be free from defects in materials or workmanship for period of one year from the date of purchase by the original owner. To ensure a high level of performance and reliability for which this equipment has been designed and manufactured, read this User Guide before operating. In the event of a failure, notify and return the defective unit to ALLEN & HEATH Limited or its authorised agent as soon as possible for repair under warranty subject to the following conditions

### **Conditions of Warranty**

The equipment has been installed and operated in accordance with the instructions in this User Guide. The equipment has not been subject to misuse either intended or accidental, neglect, or alteration other than as described in the User Guide or Service Manual, or approved by ALLEN & HEATH. Any necessary adjustment, alteration or repair has been carried out by ALLEN & HEATH or its authorised agent. This warranty does not cover fader wear and tear. The defective unit is to be returned carriage prepaid to ALLEN & HEATH or its authorised agent with proof of purchase. Units returned should be packed to avoid transit damage. In certain territories the terms may vary. Check with your ALLEN & HEATH agent for any additional warranty which may apply.

For further assistance please contact our distributor or your territory.

<http://www.allen-heath.com/UK/distributors.asp>

### **Release notes for this issue**

## **CONTENTS**

### **DEVELOPMENT CHANGES**

## **SERVICING PRECAUTIONS AND GENERAL NOTES**

### **PARTS IDENTIFICATION**

- How to order parts
- Exterior parts
- Interior parts

### **BLOCK DIAGRAM**

### **CIRCUIT DIAGRAMS**

### **SOFTWARE & FIRMWARE**

### **SPECIFICATION**

## DEVELOPMENT CHANGES

## PARTS IDENTIFICATION

### How to order parts

Parts must be ordered from our distributor in your territory. A list of international distributors can be viewed at <http://www.allen-heath.com/UK/distributors.asp>

UK parts must be ordered through an appointed A&H dealer or service centre. A list of UK service centres can be viewed at [http://www.allen-heath.com/UK/service\\_centres.asp](http://www.allen-heath.com/UK/service_centres.asp)

### EXTERIOR PARTS:

**Left Column:**

- Push button square red AJ2961JIT
- Knob red AJ2074AJIT
- Knob green AJ2074AJIT
- Knob grey AJ2078AJIT
- Knob black AJ6106AJIT
- Knob brown AJ2080AJIT
- Knob light blue AJ2075AJIT
- Knob dark blue AJ2075AJIT
- Knob yellow AJ2079AJIT
- Push button square white AJ2960JIT

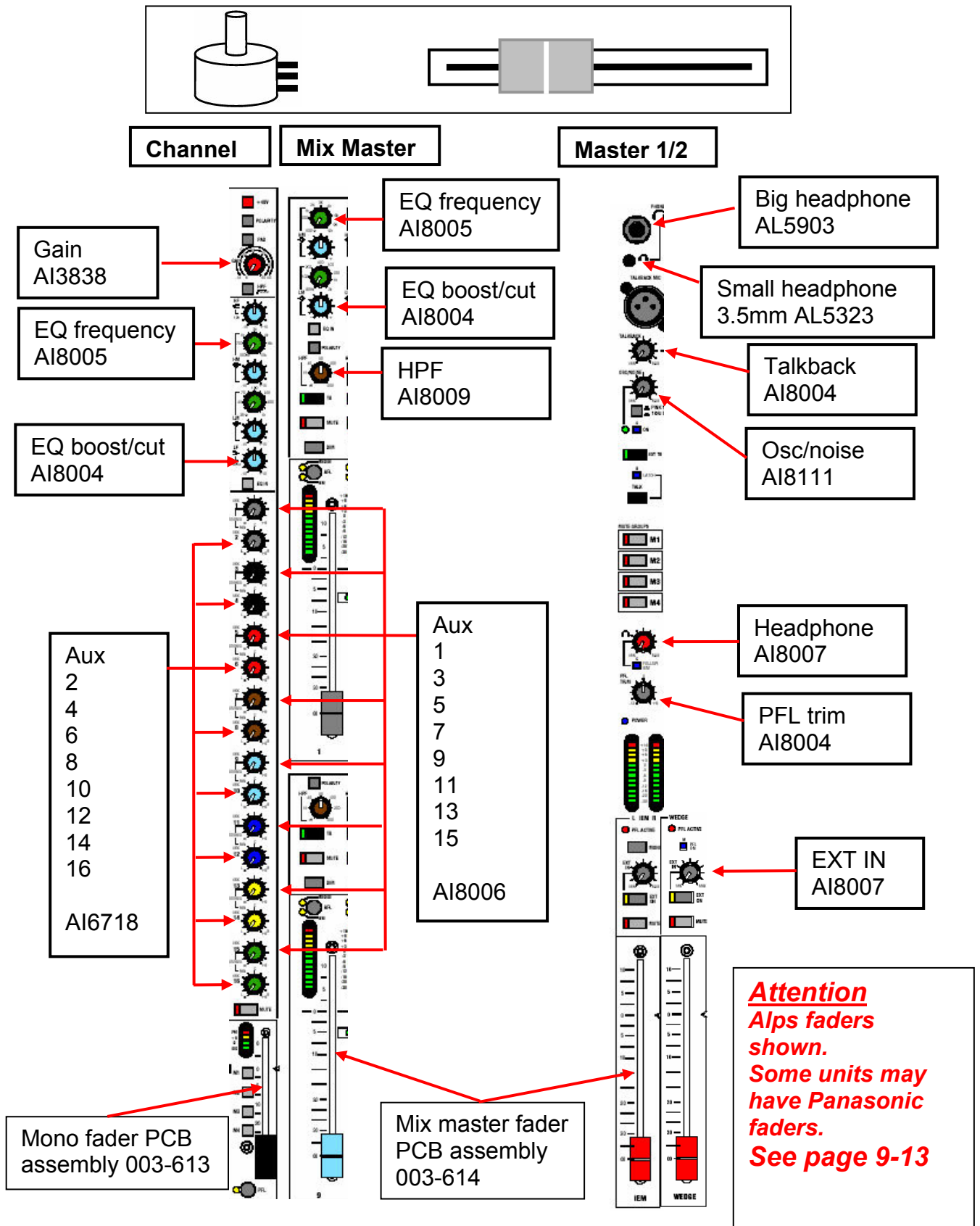
**Right Column:**

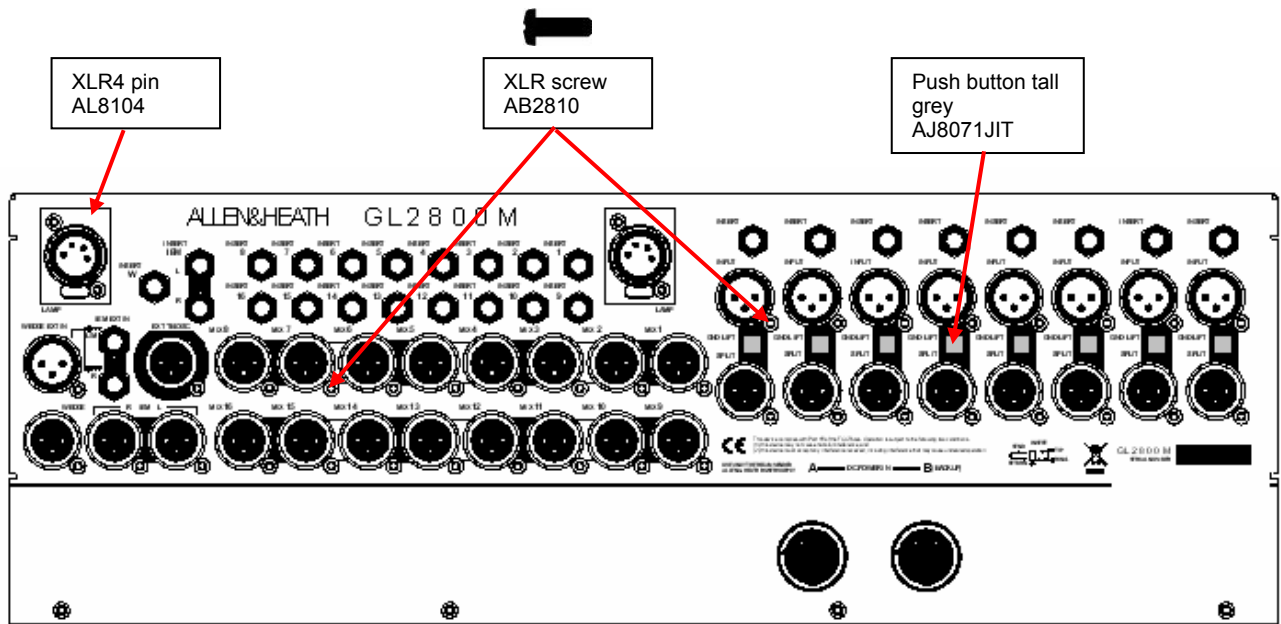
- Push button square grey AJ2864JIT
- Push button rect black AJ3228JIT
- Push button rect grey AJ2865JIT
- Push button rect white AJ2962JIT
- Push button round black AJ4251JIT
- Fader screw AB2811JIT

**Bottom Row:**

- Fader knob black AJ3503JIT
- Fader knob light blue AJ8081JIT
- Fader knob dark blue AJ6237JIT
- Fader knob grey AJ6278JIT
- Fader knob red AJ8079JIT
- Fader knob brown AJ6692JIT
- Fader knob yellow AJ8080JIT
- Fader knob green AJ6691JIT

# POTENTIOMETERS & FADERS





Ident strip 17-24  
AK6474JIT

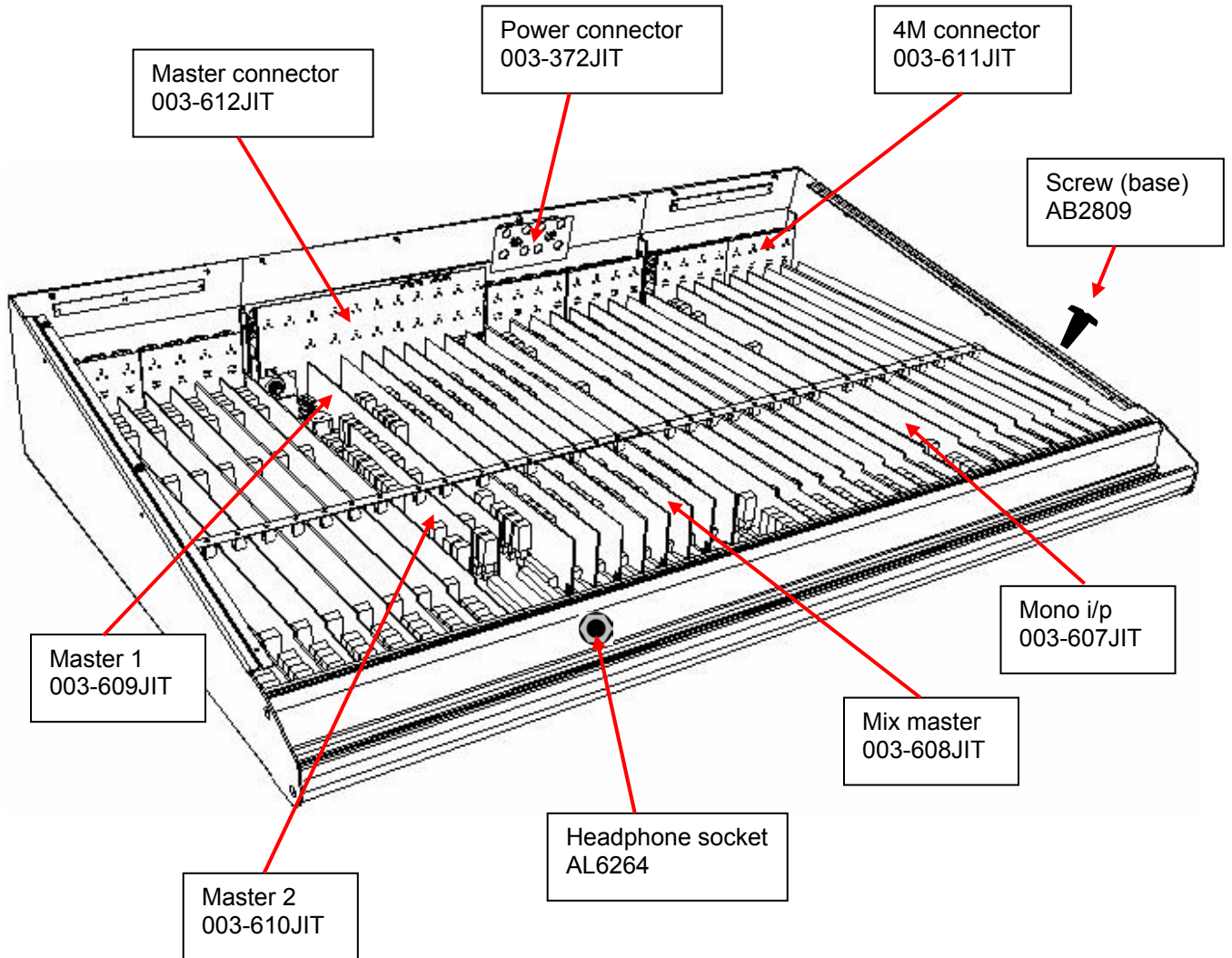
Ident strip 9-16  
AK6473JIT

Ident strip 1-8  
AK6472JIT

8	7	6	5	4	3	2	1
---	---	---	---	---	---	---	---

Feet  
AK0102JIT

**INTERIOR PARTS:**





## **IDENTIFY PANASONIC FADERS / ALPS FADERS BY MIXER SERIAL NUMBER**

**List of mixer serial numbers using Panasonic Faders on Mix Masters to date 15109106:**

L28MON24002847  
L28MON32002932  
L28MON32002934  
L28MON32002935  
L28MON32002936  
L28MON40002944  
L28MON40002945  
L28MON24002949  
L28MON24002950  
L28MON40002951  
L28MON40002952  
L28MON48002983  
L28MON32002985  
L28MON24003012  
L28MON24003013  
L28MON24003014  
L28MON24003015  
L28MON32003017  
L28MON32003019  
L28MON40003026  
L28MON40003027  
L28MON40003028  
L28MON40003031

**List of mixer serial numbers using Panasonic Faders on Mix Masters to date 5110106:**

L28MON24002847  
L28MON32002932  
L28MON32002934  
L28MON32002935  
L28MON32002936  
L28MON40002944  
L28MON40002945  
L28MON24002949  
L28MON24002950  
L28MON24003012  
L28MON24003013  
L28MON24003014  
L28MON24003015  
L28MON3200298s  
L28MON32003017  
L28MON32003019  
L28MON32003055  
L28MON32003063  
L28MON32003064  
L28MON320031 13  
L28MON40002951  
L28MON40002952  
L28MON48002983  
L28MON40003026  
L28MON40003027  
L28MON40003028  
L28MON40003029  
L28MON40003031  
L28MON40003048  
L28MON40003052  
L28MON40003055  
L28MON400031 19

**GL2800Ms with Panasonic faders on whole mixer.**

L28MON40003144  
L28MON32003132  
L28MON40003149  
L28MON40003146  
L28MON48003161  
L28MON32003134  
L28MON40003145  
L28MON40003142  
L28MON32003128  
L28MON48003206  
L28MON48003207  
L28MON48003209  
L28MON40003152  
L28MON32003191

## **SPECIFICATION:**

### Performance

Maximum XLR input level +34dBu (inc pad)  
Maximum XLR output level +26dBu  
Internal headroom Channels +20dB, Mix +22dB  
Master meters 12 segment -30 to +16dB, 0VU= +4dBu XLR  
Channel meters 4 segment -12,0,+6+16dB (5dB before clip)  
Frequency response 20Hz to 50kHz +/-1dB  
Mic CMRR at 1kHz > 80dB typical  
THD+n at +14dBu 1kHz Mic to mix out < 0.003%  
Crosstalk at 1kHz Fader shutoff >90dB  
Mute shutoff >88dB  
Inter channel >90dB  
Noise, rms 22Hz to 22kHz Mic EIN -128dB  
Residual output noise < -96dBu (-100dB S/N)  
Mix noise 24 channels < -80dBu (-84dB S/N)  
Channel HPF Switched 100Hz, 12dB/octave  
Output HPF Swept off to 400Hz, 12dB/octave  
Channel EQ HF Shelving +/-15dB, 12kHz  
HM Peak/dip +/-15dB, 500Hz to 15kHz, Q=1.8  
LM Peak/dip +/-15dB, 35Hz to 1kHz, Q=1.8  
LF Shelving +/-15dB, 80Hz  
Mix 1-8 EQ HM Peak/dip +/-15dB, 500Hz to 12kHz, Q=1.6  
LM Peak/dip +/-15dB, 80Hz to 2kHz, Q=1.6  
Power supply External RPS11 IEC input  
External Input for optional RPS11 backup supply

### Connections

Channel XLR balanced pin 2 hot Sensitivity -60 to +14dBu  
Total gain range 74dB  
20dB Pad out 2k ohm, in >10k ohm  
Wedge Ext in XLR balanced pin 2 hot >10k ohm, 0dBu, +20dBu max  
IEM Ext in TRS unbalanced >10k ohm, 0dBu, +20dBu max  
Talkback mic XLR balanced pin 2 hot Sensitivity -50 to -10dBu  
Phantom power Internal jumper +48V (fitted)  
Inserts Channel TRS, tip send, ring return, 0dBu  
Output TRS, tip send, ring return, -2dBu  
Mix 1-16 out XLR balanced pin 2 hot <75 ohm, +4dBu, +26dBu max  
IEM/Wedge out XLR balanced pin 2 hot <75 ohm, +4dBu, +26dBu max  
Talkback/Osc out XLR balanced pin 2 hot <75 ohm, +4dBu, =26dBu max  
Headphones TRS, tip L, ring R, 30 to 600 ohm headphones recommended  
Lamp 4-pin XLR max 12V 5W lamp

