# BCM10/2 MK2

## Connector Information Guide
## General Maintenance

Issue 3

# IMPORTANT SAFETY INSTRUCTIONS

- **Read these instructions**
- **Keep these instructions**
- **Heed all warnings**
- **Follow all instructions**
- **Do not use this apparatus near water**
- **Clean only with a dry cloth**
- **Do not block any ventilation openings.**
- **Install in accordance with the manufacturer's instructions.**
- **Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.**
- **Do not defeat the safety purpose of the polarized or grounding-type plug.**

**A polarized plug has two blades and a third grounding prong.**
**The wide blade or the third prong are provided for your safety.**

**If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.**

**As this apparatus is constructed to Class I, it shall be connected to a MAINS socket outlet with protective earthing connection.**

- **Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit the apparatus.**

**Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.**

- **Only use attachments / accessories specified by the manufacturer.**
- **Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over (see handling video).**
- **Unplug this apparatus during lightning storms or when unused for long periods of time.**

- **Refer all servicing to qualified service personnel.**

**Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.**

**WARNING:**
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.**

**WARNING:**
**THIS APPARATUS HAS CLASS I CONSTRUCTION AND SHALL BE CONNECTED TO A MAINS SOCKET OUTLET WITH A PROTECTIVE EARTHING CONNECTION.**

**WARNING:**
**WHERE THE MAINS PLUG OR AN APPLIANCE COUPLER IS USED AS THE DISCONNECT DEVICE, THE DISCONNECT DEVICE SHALL REMAIN READILY OPERABLE.**

## Symbols used in this manual and on rear of console

**Please refer to the manual before operating**

**Danger of electric shock**
**Disconnect from the MAINS before opening cover**


**Heavy load**

**No user serviceable parts inside**

## Environmental considerations

| | | |
|---|---|---|
| **Temperature** | **Operating** | **5°C to 25°C (41°F to 80°F)** |
| | **Non-operating** | **-20°C to 50°C (-2°F to 122°F)** |
| | **Max Gradient** | **15°C/Hour (59°F/Hour)** |
| **Relative Humidity** | **Operating** | **20% to 80%** |
| | **Non-operating** | **5% to 90%** |
| | **Max wet bulb** | **28°C non-condensing (or 57°F non-condensing)** |
| **Altitude** | **Operating** | **0 to 2,000m** |
| | **Non-operating** | **0 to 12,000m** |

## Cooling

**This console is supplied with a remote rack mounted PSU and is operated on a customer specified 10/15/20 meter PSU cable.**

**Care must be taken not to place any accessories that could block the ventilation above or below the remote PSU.**

**The PSU will operate over an ambient temperature range of -10°C to +25°C (14°F to 80°F).**

**The console must not be powered up or operated with the dust cover still in place.**

# Health & Safety Notice

**FOR YOUR OWN SAFETY AND THE PROTECTION OF OTHERS, PLEASE OBSERVE THE FOLLOWING SAFETY HEALTH AND SAFETY INSTRUCTIONS**

- **READ THESE INSTRUCTIONS AND KEEP THEM HANDY**
- **HEED ALL SAFETY WARNINGS**
- **THE CONSOLE MUST BE EARTHED WHEN OPERATED**
- **DO NOT USE NEAR WATER**
- **CLEAN ONLY WITH A DRY CLOTH**
- **DO NOT INSTALL NEAR HEAT SOURCES**
- **DO NOT BLOCK VENTILATION OPENINGS**
- **THE AMBIENT ROOM TEMPERATURE SHOULD BE NO GREATER THAN 25°C / 80°F**
- **PROTECT THE POWER CORDS**
- **USE ONLY ACCESSORIES SPECIFIED BY THE MANUFACTURER**
- **UNPLUG WHEN UNUSED FOR LONG PERIODS OF TIME OR DURING LIGHTNING STORMS**
- **MODULES AND CARDS SHOULD NOT BE INSERTED OR REMOVED WITH THE POWER ON**
- **REFER ALL SERVICING TO QUALIFIED PERSONNEL ONLY**
- **THE CONSOLE MUST ONLY BE MOVED BY AT LEAST FOUR PEOPLE (see handling video)**
- **NO USER SERVICEABLE PARTS INSIDE**

# IMPORTANT NOTICE

**THE BCM10 CONSOLE IS NOT SUPPLIED WITH A GENERIC IEC 3-CORE AC POWER CABLE BUT IS SUPPLIED WITH THE PSU AC MATING CONNECTOR ONLY. WHEN WIRED BY A QUALIFIED ELECTRICIAN, THE EARTH PIN OF THE PSU AC CONNECTOR MUST BE CONNECTED TO A 3-PIN EARTHED SUPPLY.**

**IF A REPLACEMENT CABLE IS USED, THEN THE EARTH FROM THE MAINS SOCKET OR TECHNICAL EARTH TO THE CONSOLE MUST BE MAINTAINED.**

**IF ONLY A 2-PIN (NO EARTH) SUPPLY IS AVAILABLE, THEN THE BCM10 CONSOLE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN TO ENSURE THAT THE CONSOLE METALWORK IS PERMANENTLY EARTHED.**
**THE CONSOLE SHOULD ONLY BE POWERED FROM A SINGLE-PHASE SUPPLY WITH THE NEUTRAL CONDUCTOR AT EARTH POTENTIAL.**

**FAILURE TO FOLLOW THESE PROCEDURES AND RECOMMENDATIONS COULD INVALIDATE THE MANUFACTURER'S WARRANTY**

**NB.**

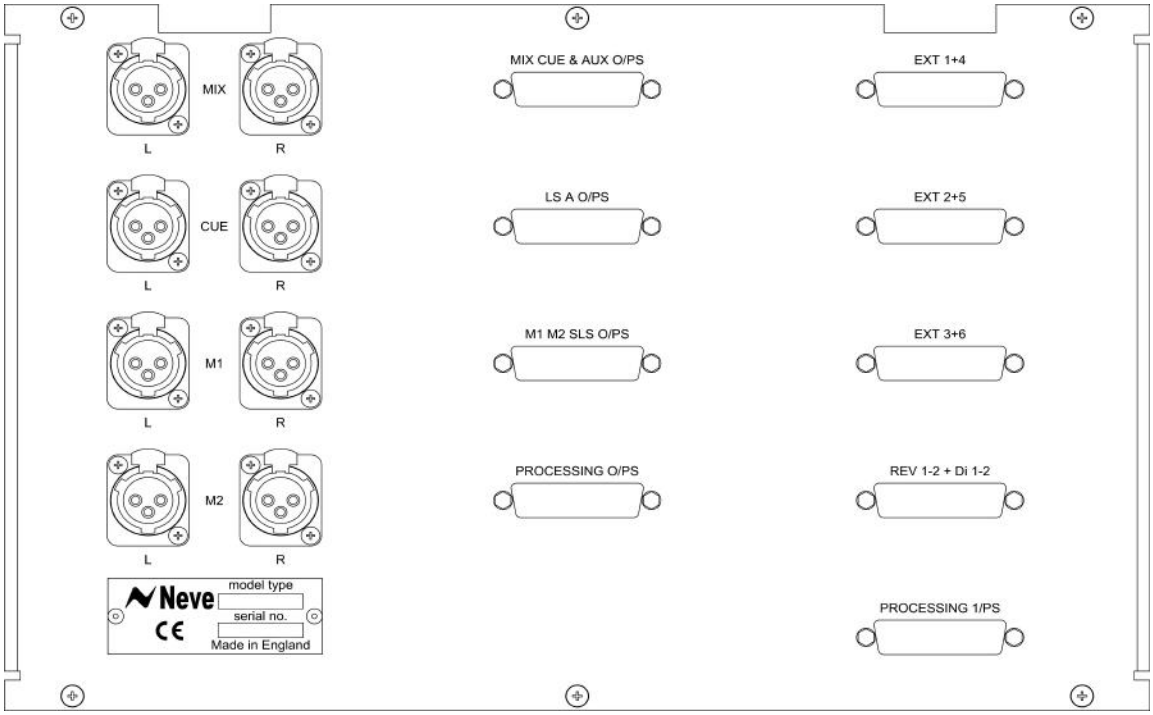
**THE CONSOLE +24V AND +5V PSUs SHOULD BE SET TO THE REQUIRED LOCAL AC VOLTAGE.**

**HOWEVER, IF THE CONSOLE IS MOVED TO A DIFFERENT LOCATION AND THE AC OPERATING VOLTAGE APPLIED TO THE PSU HAS CHANGED THEN REFER TO THE REAR OF THE PSU FOR INSTRUCTIONS ON HOW TO CHANGE THE WORKING I/P VOLTAGE FOR THE +24V AND +5V PSUs.**

**NB.**

**THE +24V AND +5V PSUs NEED TO HAVE THEIR I/Ps CHANGED TO ACCOMMODATE DIFFERENT AC VOLTAGES.**

**THE CHANGE IS ONLY TO BE MADE WITH THIS UNIT UNPLUGGED FROM THE MAINS SOURCE, BY A QUALIFIED ELECTRICIAN.**




## XLR O/Ps

(XLR PLG)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Mix O/P L | 2 | 3 | 1 |
| **2** | Mix O/P R | 2 | 3 | 1 |
| **3** | Cue O/P L | 2 | 3 | 1 |
| **4** | Cue O/P R | 2 | 3 | 1 |
| **5** | LS O/P M1 L | 2 | 3 | 1 |
| **6** | LS O/P M1 R | 2 | 3 | 1 |
| **7** | LS O/P M2 L | 2 | 3 | 1 |
| **8** | LS O/P M2 R | 2 | 3 | 1 |

## Direct & External Inputs

(25-way D-type SKT) Ext 1 & 4

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | EXT 1 L | 24 | 12 | 25 |
| **2** | EXT 1 R | 10 | 23 | 11 |
| **3** | EXT 1 C | 21 | 9 | 22 |
| **4** | EXT 1 S | 7 | 20 | 8 |
| **5** | EXT 1 LS | 18 | 6 | 19 |
| **6** | EXT 1 RS | 4 | 17 | 5 |
| **7** | EXT 4 L | 15 | 3 | 16 |
| **8** | EXT 4 R | 1 | 14 | 2 |

(25-way D-type SKT) Ext 2 & 5

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | EXT 2 L | 24 | 12 | 25 |
| **2** | EXT 2 R | 10 | 23 | 11 |
| **3** | EXT 2 C | 21 | 9 | 22 |
| **4** | EXT 2 S | 7 | 20 | 8 |
| **5** | EXT 2 LS | 18 | 6 | 19 |
| **6** | EXT 2 RS | 4 | 17 | 5 |
| **7** | EXT 5 L | 15 | 3 | 16 |
| **8** | EXT 5 R | 1 | 14 | 2 |

(25-way D-type SKT) Ext 3 & 6

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | EXT 3 L | 24 | 12 | 25 |
| **2** | EXT 3 R | 10 | 23 | 11 |
| **3** | EXT 3 C | 21 | 9 | 22 |
| **4** | EXT 3 S | 7 | 20 | 8 |
| **5** | EXT 3 LS | 18 | 6 | 19 |
| **6** | EXT 3 RS | 4 | 17 | 5 |
| **7** | EXT 6 L | 15 | 3 | 16 |
| **8** | EXT 6 R | 1 | 14 | 2 |

(25-way D-type SKT) REV 1 - 2 & DI 1 - 2

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | REV I/P 1 L | 24 | 12 | 25 |
| **2** | REV I/P 1 R | 10 | 23 | 11 |
| **3** | REV I/P 2 L | 21 | 9 | 22 |
| **4** | REV I/P 2 R | 7 | 20 | 8 |
| **5** | DI I/P 1 | 18 | 6 | 19 |
| **6** | DI I/P 2 | 4 | 17 | 5 |

(25-way D-type SKT) Processing I/Ps

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Mix Insert Ret L | 24 | 12 | 25 |
| **2** | Mix Insert Ret R | 10 | 23 | 11 |
| **3** | IMR Insert Ret L | 21 | 9 | 22 |
| **4** | IMR Insert Ret R | 7 | 20 | 8 |
| **5** | 500 I/P L | 18 | 6 | 19 |
| **6** | 500 I/P R | 4 | 17 | 5 |

(25-way D-type SKT) Bus O/Ps

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Mix O/P L | 24 | 12 | 25 |
| **2** | Mix O/P R | 10 | 23 | 11 |
| **3** | Cue O/P L | 21 | 9 | 22 |
| **4** | Cue O/P R | 7 | 20 | 8 |
| **5** | Aux O/P 1 | 18 | 6 | 19 |
| **6** | Aux O/P 2 | 4 | 17 | 5 |
| **7** | Aux O/P 3 | 15 | 3 | 16 |
| **8** | Aux O/P 4 | 1 | 14 | 2 |

(25-way D-type SKT) LS A O/Ps

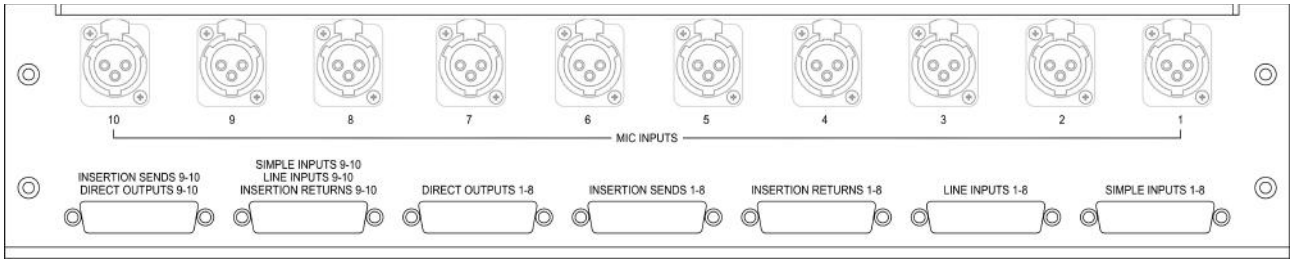
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | LS A O/Ps L | 24 | 12 | 25 |
| **2** | LS A O/Ps R | 10 | 23 | 11 |
| **3** | LS A O/Ps C | 21 | 9 | 22 |
| **4** | LS A O/Ps S | 7 | 20 | 8 |
| **5** | LS A O/Ps LS | 18 | 6 | 19 |
| **6** | LS A O/Ps RS | 4 | 17 | 5 |

(25-way D-type SKT) M1, M2, SLS O/Ps

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | M1 LS O/Ps L | 24 | 12 | 25 |
| **2** | M1 LS O/Ps R | 10 | 23 | 11 |
| **3** | M2 LS O/Ps L | 21 | 9 | 22 |
| **4** | M2 LS O/Ps R | 7 | 20 | 8 |
| **5** | SLS O/Ps L | 18 | 6 | 19 |
| **6** | SLS O/Ps R | 4 | 17 | 5 |

(25-way D-type SKT) Processing O/Ps

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Mix O/P Ins Send L | 24 | 12 | 25 |
| **2** | Mix O/P Ins Send R | 10 | 23 | 11 |
| **3** | IMR O/P Ins Send L | 21 | 9 | 22 |
| **4** | IMR O/P Ins Send R | 7 | 20 | 8 |
| **5** | 500 O/P L | 18 | 6 | 19 |
| **6** | 500 O/P R | 4 | 17 | 5 |




**Mic I/Ps**

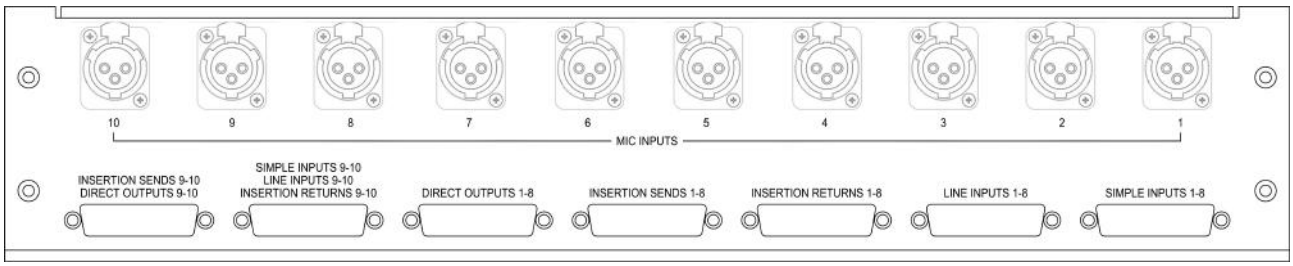
(XLR Socket)

| Channel | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Mic I/P 1 | 2 | 3 | 1 |
| **2** | Mic I/P 2 | 2 | 3 | 1 |
| **3** | Mic I/P 3 | 2 | 3 | 1 |
| **4** | Mic I/P 4 | 2 | 3 | 1 |
| **5** | Mic I/P 5 | 2 | 3 | 1 |
| **6** | Mic I/P 6 | 2 | 3 | 1 |
| **7** | Mic I/P 7 | 2 | 3 | 1 |
| **8** | Mic I/P 8 | 2 | 3 | 1 |
| **9** | Mic I/P 9 | 2 | 3 | 1 |
| **10** | Mic I/P 10 | 2 | 3 | 1 |

**Line I/Ps**

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Line I/P 1 | 24 | 12 | 25 |
| **2** | Line I/P 2 | 10 | 23 | 11 |
| **3** | Line I/P 3 | 21 | 9 | 22 |
| **4** | Line I/P 4 | 7 | 20 | 8 |
| **5** | Line I/P 5 | 18 | 6 | 19 |
| **6** | Line I/P 6 | 4 | 17 | 5 |
| **7** | Line I/P 7 | 15 | 3 | 16 |
| **8** | Line I/P 8 | 1 | 14 | 2 |




## Channel Insert Send

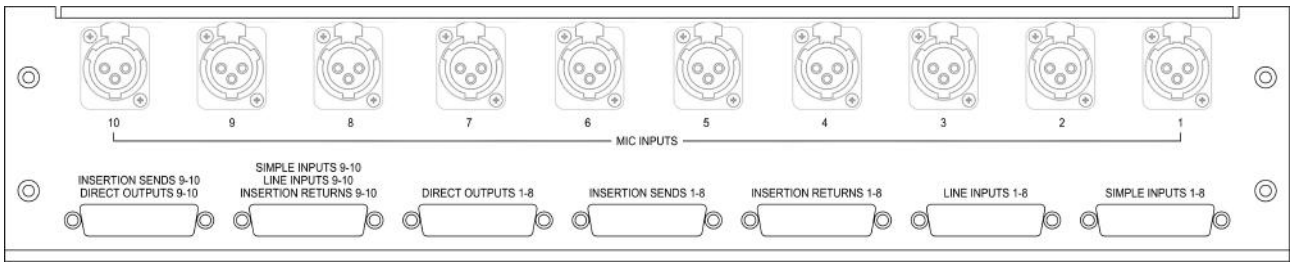
(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Channel Insert Send 1 | 24 | 12 | 25 |
| **2** | Channel Insert Send 2 | 10 | 23 | 11 |
| **3** | Channel Insert Send 3 | 21 | 9 | 22 |
| **4** | Channel Insert Send 4 | 7 | 20 | 8 |
| **5** | Channel Insert Send 5 | 18 | 6 | 19 |
| **6** | Channel Insert Send 6 | 4 | 17 | 5 |
| **7** | Channel Insert Send 7 | 15 | 3 | 16 |
| **8** | Channel Insert Send 8 | 1 | 14 | 2 |

## Channel Insert Return

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Channel Insert Return 1 | 24 | 12 | 25 |
| **2** | Channel Insert Return 2 | 10 | 23 | 11u |
| **3** | Channel Insert Return 3 | 21 | 9 | 22 |
| **4** | Channel Insert Return 4 | 7 | 20 | 8 |
| **5** | Channel Insert Return 5 | 18 | 6 | 19 |
| **6** | Channel Insert Return 6 | 4 | 17 | 5 |
| **7** | Channel Insert Return 7 | 15 | 3 | 16 |
| **8** | Channel Insert Return 8 | 1 | 14 | 2 |




**DAW Send (Direct O/P)**

(Sends the outputs from the channels to the DAW to be recorded)

(25-way D-type SKT)

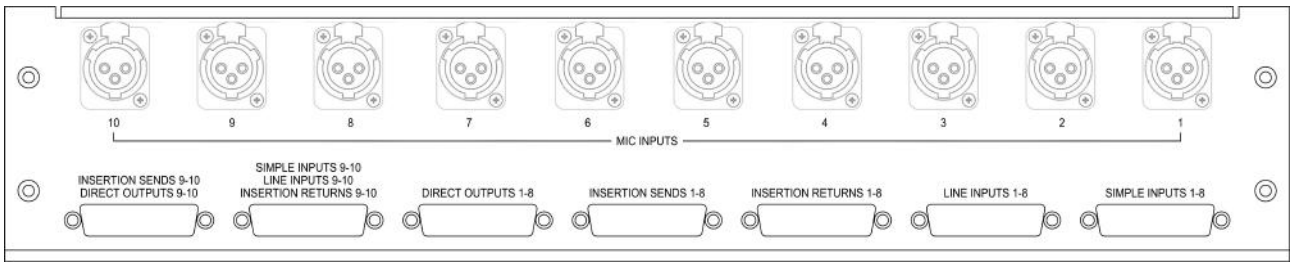
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | DAW Send 1 | 24 | 12 | 25 |
| **2** | DAW Send 2 | 10 | 23 | 11 |
| **3** | DAW Send 3 | 21 | 9 | 22 |
| **4** | DAW Send 4 | 7 | 20 | 8 |
| **5** | DAW Send 5 | 18 | 6 | 19 |
| **6** | DAW Send 6 | 4 | 17 | 5 |
| **7** | DAW Send 7 | 15 | 3 | 16 |
| **8** | DAW Send 8 | 1 | 14 | 2 |

**Simple I/Ps**

(Channel DAW return to monitor DAW recording/play backs or DAW mixing.)

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Simple I/P 1 | 24 | 12 | 25 |
| **2** | Simple I/P 2 | 10 | 23 | 11 |
| **3** | Simple I/P 3 | 21 | 9 | 22 |
| **4** | Simple I/P 4 | 7 | 20 | 8 |
| **5** | Simple I/P 5 | 18 | 6 | 19 |
| **6** | Simple I/P 6 | 4 | 17 | 5 |
| **7** | Simple I/P 7 | 15 | 3 | 16 |
| **8** | Simple I/P 8 | 1 | 14 | 2 |




**Simple I/Ps 9 -10, Line I/Ps 9 -10, Insertion Returns 9 -10**

(25-way D-type SKT)

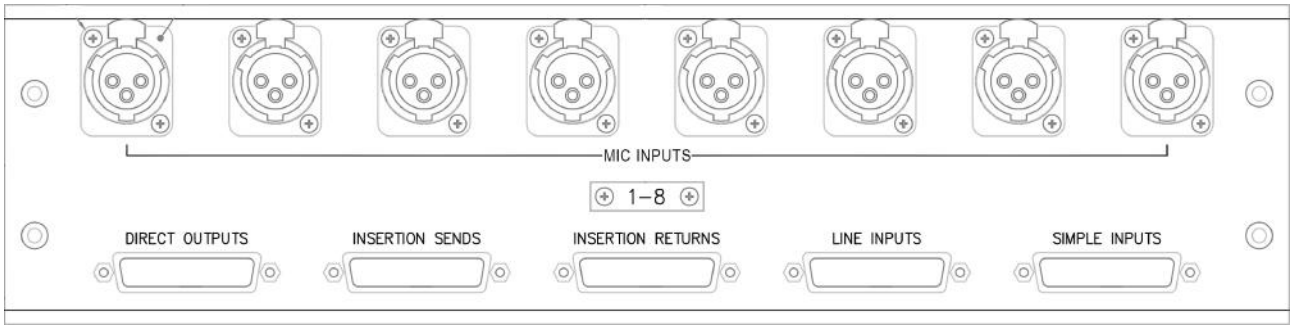
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Channel Insert Return 9 | 24 | 12 | 25 |
| **2** | Channel Insert Return 10 | 10 | 23 | 11 |
| **3** | Line I/P 9 | 21 | 9 | 22 |
| **4** | Line I/P 10 | 7 | 20 | 8 |
| **5** | Simple I/P 9 | 18 | 6 | 19 |
| **6** | Simple I/P 10 | 4 | 17 | 5 |
| | | | | |
| | | | | |

**Channel Insert Send 9 – 10, DAW Send (Direct O/P) 9 -10**

(Insert sends and the outputs from the channels to the DAW to be recorded)

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Channel Insert Send 9 | 24 | 12 | 25 |
| **2** | Channel Insert Send 10 | 10 | 23 | 11 |
| **3** | | | | |
| **4** | | | | |
| **5** | | | | |
| **6** | | | | |
| **7** | DAW Send 9 | 15 | 3 | 16 |
| **8** | DAW Send 10 | 1 | 14 | 2 |




## Mic I/Ps

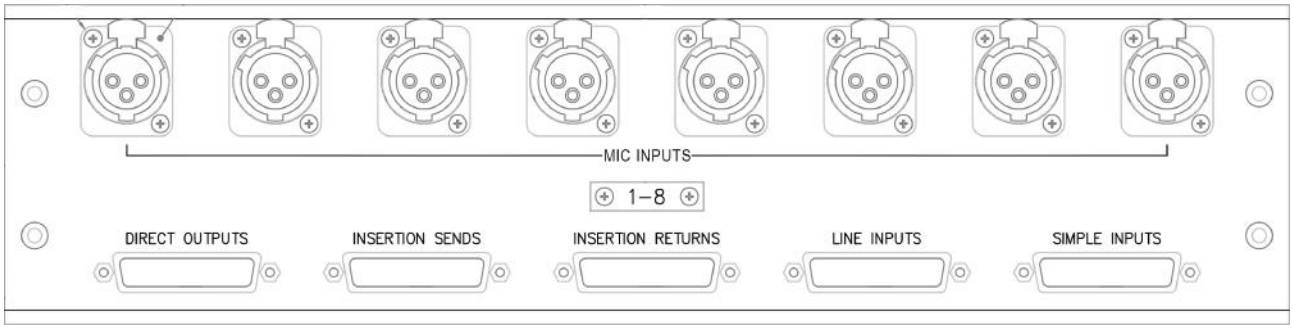
(XLR Socket)

| Channel | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Mic I/P 1 | 2 | 3 | 1 |
| **2** | Mic I/P 2 | 2 | 3 | 1 |
| **3** | Mic I/P 3 | 2 | 3 | 1 |
| **4** | Mic I/P 4 | 2 | 3 | 1 |
| **5** | Mic I/P 5 | 2 | 3 | 1 |
| **6** | Mic I/P 6 | 2 | 3 | 1 |
| **7** | Mic I/P 7 | 2 | 3 | 1 |
| **8** | Mic I/P 8 | 2 | 3 | 1 |

## Line I/Ps

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Line I/P 1 | 24 | 12 | 25 |
| **2** | Line I/P 2 | 10 | 23 | 11 |
| **3** | Line I/P 3 | 21 | 9 | 22 |
| **4** | Line I/P 4 | 7 | 20 | 8 |
| **5** | Line I/P 5 | 18 | 6 | 19 |
| **6** | Line I/P 6 | 4 | 17 | 5 |
| **7** | Line I/P 7 | 15 | 3 | 16 |
| **8** | Line I/P 8 | 1 | 14 | 2 |




### Channel Insert Send

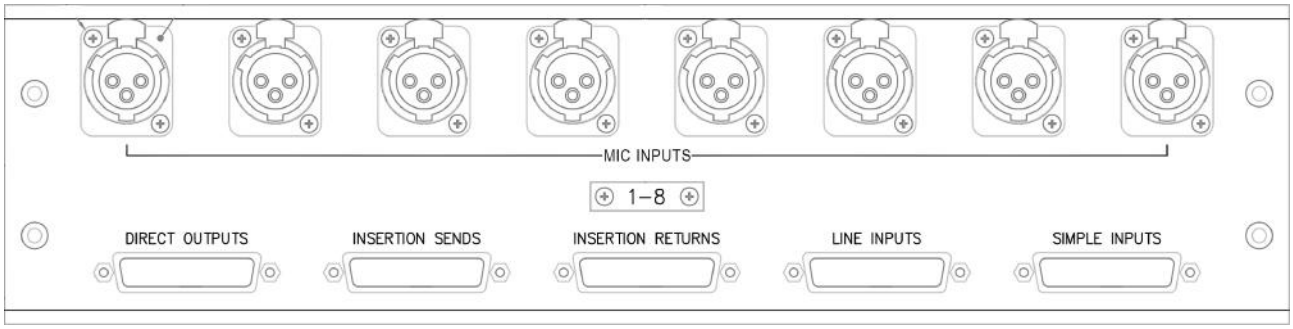
(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Channel Insert Send 1 | 24 | 12 | 25 |
| **2** | Channel Insert Send 2 | 10 | 23 | 11 |
| **3** | Channel Insert Send 3 | 21 | 9 | 22 |
| **4** | Channel Insert Send 4 | 7 | 20 | 8 |
| **5** | Channel Insert Send 5 | 18 | 6 | 19 |
| **6** | Channel Insert Send 6 | 4 | 17 | 5 |
| **7** | Channel Insert Send 7 | 15 | 3 | 16 |
| **8** | Channel Insert Send 8 | 1 | 14 | 2 |

### Channel Insert Return

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Channel Insert Return 1 | 24 | 12 | 25 |
| **2** | Channel Insert Return 2 | 10 | 23 | 11u |
| **3** | Channel Insert Return 3 | 21 | 9 | 22 |
| **4** | Channel Insert Return 4 | 7 | 20 | 8 |
| **5** | Channel Insert Return 5 | 18 | 6 | 19 |
| **6** | Channel Insert Return 6 | 4 | 17 | 5 |
| **7** | Channel Insert Return 7 | 15 | 3 | 16 |
| **8** | Channel Insert Return 8 | 1 | 14 | 2 |




**DAW Send (Direct O/P)**

(Sends the outputs from the channels to the DAW to be recorded)

(25-way D-type SKT)

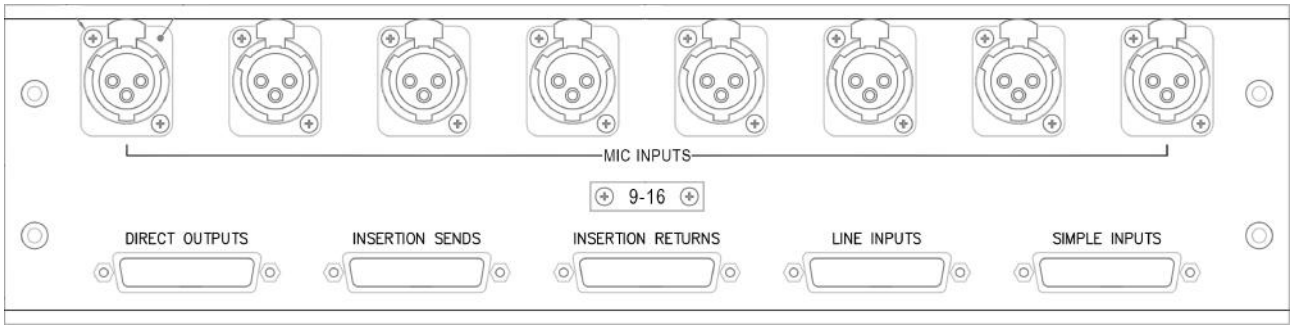
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | DAW Send 1 | 24 | 12 | 25 |
| **2** | DAW Send 2 | 10 | 23 | 11 |
| **3** | DAW Send 3 | 21 | 9 | 22 |
| **4** | DAW Send 4 | 7 | 20 | 8 |
| **5** | DAW Send 5 | 18 | 6 | 19 |
| **6** | DAW Send 6 | 4 | 17 | 5 |
| **7** | DAW Send 7 | 15 | 3 | 16 |
| **8** | DAW Send 8 | 1 | 14 | 2 |

**Simple I/Ps**

(Channel DAW return to monitor DAW recording/play backs or DAW mixing.)

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **1** | Simple I/P 1 | 24 | 12 | 25 |
| **2** | Simple I/P 2 | 10 | 23 | 11 |
| **3** | Simple I/P 3 | 21 | 9 | 22 |
| **4** | Simple I/P 4 | 7 | 20 | 8 |
| **5** | Simple I/P 5 | 18 | 6 | 19 |
| **6** | Simple I/P 6 | 4 | 17 | 5 |
| **7** | Simple I/P 7 | 15 | 3 | 16 |
| **8** | Simple I/P 8 | 1 | 14 | 2 |




### Mic I/Ps

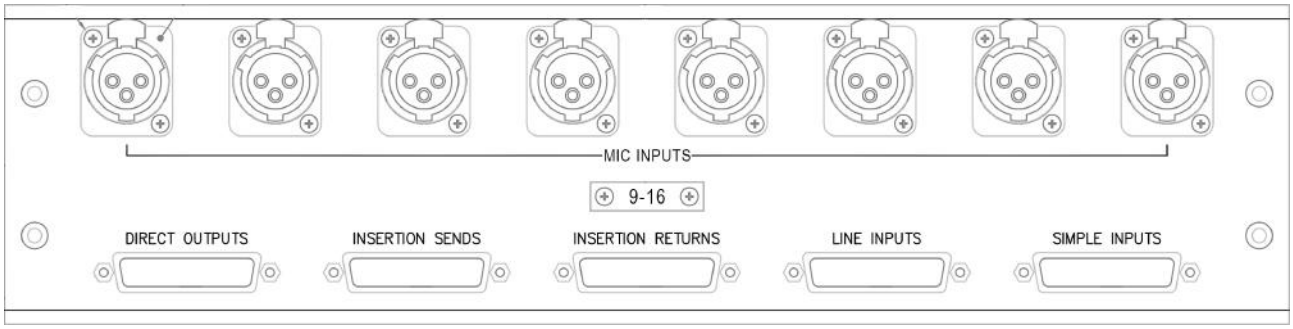
(XLR Socket)

| Channel | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **9** | Mic I/P 9 | 2 | 3 | 1 |
| **10** | Mic I/P 10 | 2 | 3 | 1 |
| **11** | Mic I/P 11 | 2 | 3 | 1 |
| **12** | Mic I/P 12 | 2 | 3 | 1 |
| **13** | Mic I/P 13 | 2 | 3 | 1 |
| **14** | Mic I/P 14 | 2 | 3 | 1 |
| **15** | Mic I/P 15 | 2 | 3 | 1 |
| **16** | Mic I/P 16 | 2 | 3 | 1 |

### Line I/Ps

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **9** | Line I/P 9 | 24 | 12 | 25 |
| **10** | Line I/P 10 | 10 | 23 | 11 |
| **11** | Line I/P 11 | 21 | 9 | 22 |
| **12** | Line I/P 12 | 7 | 20 | 8 |
| **13** | Line I/P 13 | 18 | 6 | 19 |
| **14** | Line I/P 14 | 4 | 17 | 5 |
| **15** | Line I/P 15 | 15 | 3 | 16 |
| **16** | Line I/P 16 | 1 | 14 | 2 |




### Channel Insert Send

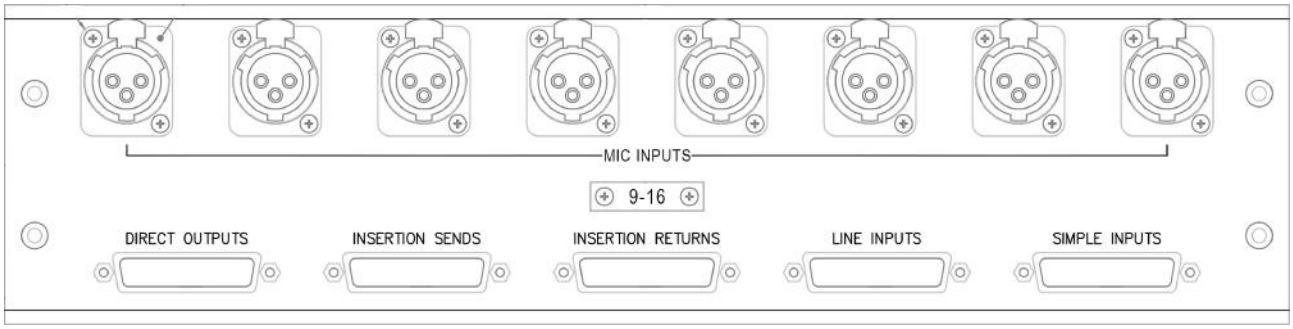
(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **9** | Channel Insert Send 9 | 24 | 12 | 25 |
| **10** | Channel Insert Send 10 | 10 | 23 | 11 |
| **11** | Channel Insert Send 11 | 21 | 9 | 22 |
| **12** | Channel Insert Send 12 | 7 | 20 | 8 |
| **13** | Channel Insert Send 13 | 18 | 6 | 19 |
| **14** | Channel Insert Send 14 | 4 | 17 | 5 |
| **15** | Channel Insert Send 15 | 15 | 3 | 16 |
| **16** | Channel Insert Send 16 | 1 | 14 | 2 |

### Channel Insert Return

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **9** | Channel Insert Return 9 | 24 | 12 | 25 |
| **10** | Channel Insert Return 10 | 10 | 23 | 11 |
| **11** | Channel Insert Return 11 | 21 | 9 | 22 |
| **12** | Channel Insert Return 12 | 7 | 20 | 8 |
| **13** | Channel Insert Return 13 | 18 | 6 | 19 |
| **14** | Channel Insert Return 14 | 4 | 17 | 5 |
| **15** | Channel Insert Return 15 | 15 | 3 | 16 |
| **16** | Channel Insert Return 16 | 1 | 14 | 2 |




**DAW Send (Direct O/P)**

(Sends the outputs from the channels to the DAW to be recorded)

(25-way D-type SKT)

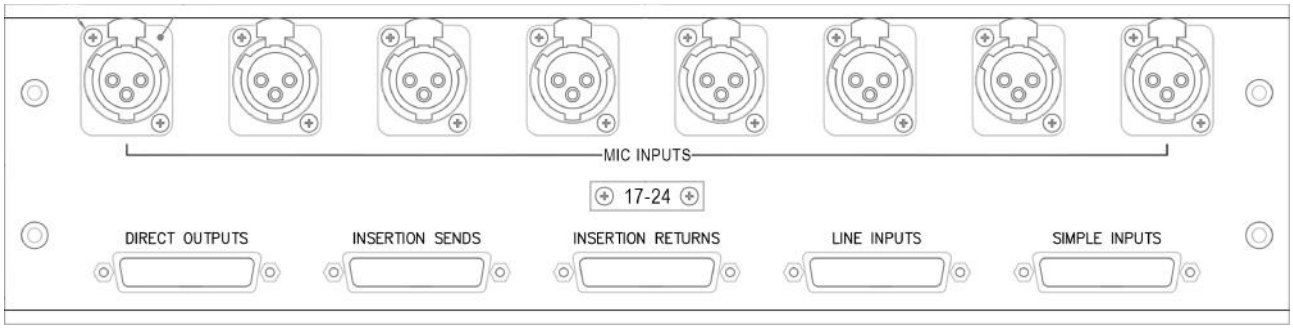
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **9** | DAW Send 9 | 24 | 12 | 25 |
| **10** | DAW Send 10 | 10 | 23 | 11 |
| **11** | DAW Send 11 | 21 | 9 | 22 |
| **12** | DAW Send 12 | 7 | 20 | 8 |
| **13** | DAW Send 13 | 18 | 6 | 19 |
| **14** | DAW Send 14 | 4 | 17 | 5 |
| **15** | DAW Send 15 | 15 | 3 | 16 |
| **16** | DAW Send 16 | 1 | 14 | 2 |

**Simple I/Ps**

(Channel DAW return to monitor DAW recording/play backs or DAW mixing.)

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **9** | Simple I/P 9 | 24 | 12 | 25 |
| **10** | Simple I/P 10 | 10 | 23 | 11 |
| **11** | Simple I/P 11 | 21 | 9 | 22 |
| **12** | Simple I/P 12 | 7 | 20 | 8 |
| **13** | Simple I/P 13 | 18 | 6 | 19 |
| **14** | Simple I/P 14 | 4 | 17 | 5 |
| **15** | Simple I/P 15 | 15 | 3 | 16 |
| **16** | Simple I/P 16 | 1 | 14 | 2 |




## Mic I/Ps

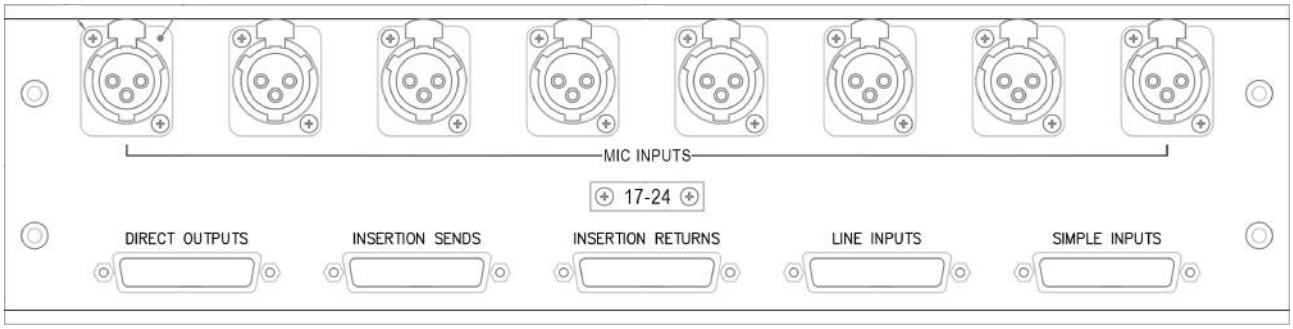
(XLR Socket)

| Channel | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Mic I/P 17 | 2 | 3 | 1 |
| **18** | Mic I/P 18 | 2 | 3 | 1 |
| **19** | Mic I/P 19 | 2 | 3 | 1 |
| **20** | Mic I/P 20 | 2 | 3 | 1 |
| **21** | Mic I/P 21 | 2 | 3 | 1 |
| **22** | Mic I/P 22 | 2 | 3 | 1 |
| **23** | Mic I/P 23 | 2 | 3 | 1 |
| **24** | Mic I/P 24 | 2 | 3 | 1 |

## Line I/Ps

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Line I/P 17 | 24 | 12 | 25 |
| **18** | Line I/P 18 | 10 | 23 | 11 |
| **19** | Line I/P 19 | 21 | 9 | 22 |
| **20** | Line I/P 20 | 7 | 20 | 8 |
| **21** | Line I/P 21 | 18 | 6 | 19 |
| **22** | Line I/P 22 | 4 | 17 | 5 |
| **23** | Line I/P 23 | 15 | 3 | 16 |
| **24** | Line I/P 24 | 1 | 14 | 2 |




### Channel Insert Send

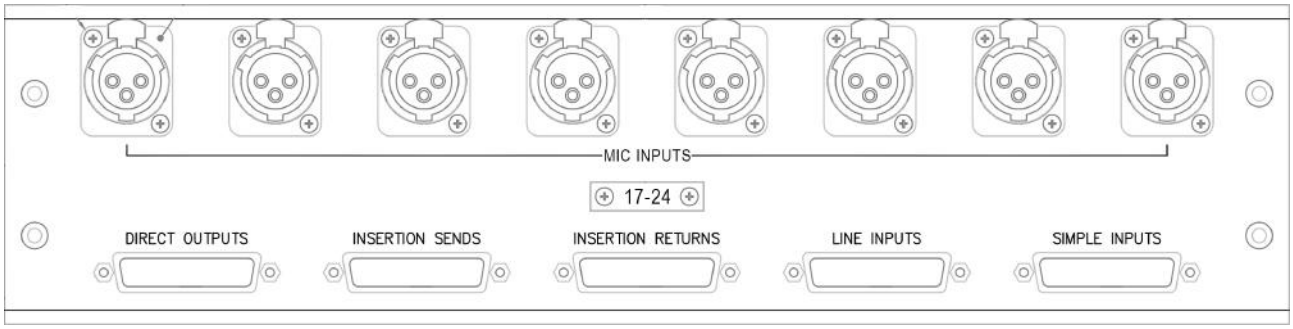
(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Channel Insert Send 17 | 24 | 12 | 25 |
| **18** | Channel Insert Send 18 | 10 | 23 | 11 |
| **19** | Channel Insert Send 19 | 21 | 9 | 22 |
| **20** | Channel Insert Send 20 | 7 | 20 | 8 |
| **21** | Channel Insert Send 21 | 18 | 6 | 19 |
| **22** | Channel Insert Send 22 | 4 | 17 | 5 |
| **23** | Channel Insert Send 23 | 15 | 3 | 16 |
| **24** | Channel Insert Send 24 | 1 | 14 | 2 |

### Channel Insert Return

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Channel Insert Return 17 | 24 | 12 | 25 |
| **18** | Channel Insert Return 18 | 10 | 23 | 11 |
| **19** | Channel Insert Return 19 | 21 | 9 | 22 |
| **20** | Channel Insert Return 20 | 7 | 20 | 8 |
| **21** | Channel Insert Return 21 | 18 | 6 | 19 |
| **22** | Channel Insert Return 22 | 4 | 17 | 5 |
| **23** | Channel Insert Return 23 | 15 | 3 | 16 |
| **24** | Channel Insert Return 24 | 1 | 14 | 2 |




**DAW Send (Direct O/P)**

(Sends the outputs from the channels to the DAW to be recorded)

(25-way D-type SKT)

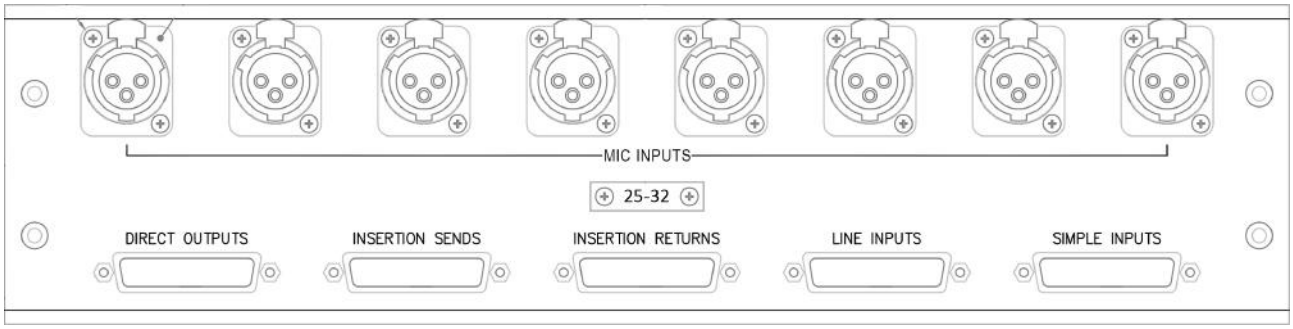
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | DAW Send 17 | 24 | 12 | 25 |
| **18** | DAW Send 18 | 10 | 23 | 11 |
| **19** | DAW Send 19 | 21 | 9 | 22 |
| **20** | DAW Send 20 | 7 | 20 | 8 |
| **21** | DAW Send 21 | 18 | 6 | 19 |
| **22** | DAW Send 22 | 4 | 17 | 5 |
| **23** | DAW Send 23 | 15 | 3 | 16 |
| **24** | DAW Send 24 | 1 | 14 | 2 |

**Simple I/Ps**

(Channel DAW return to monitor DAW recording/play backs or DAW mixing.)

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Simple I/P 17 | 24 | 12 | 25 |
| **18** | Simple I/P 18 | 10 | 23 | 11 |
| **19** | Simple I/P 19 | 21 | 9 | 22 |
| **20** | Simple I/P 20 | 7 | 20 | 8 |
| **21** | Simple I/P 21 | 18 | 6 | 19 |
| **22** | Simple I/P 22 | 4 | 17 | 5 |
| **23** | Simple I/P 23 | 15 | 3 | 16 |
| **24** | Simple I/P 24 | 1 | 14 | 2 |




## Mic I/Ps

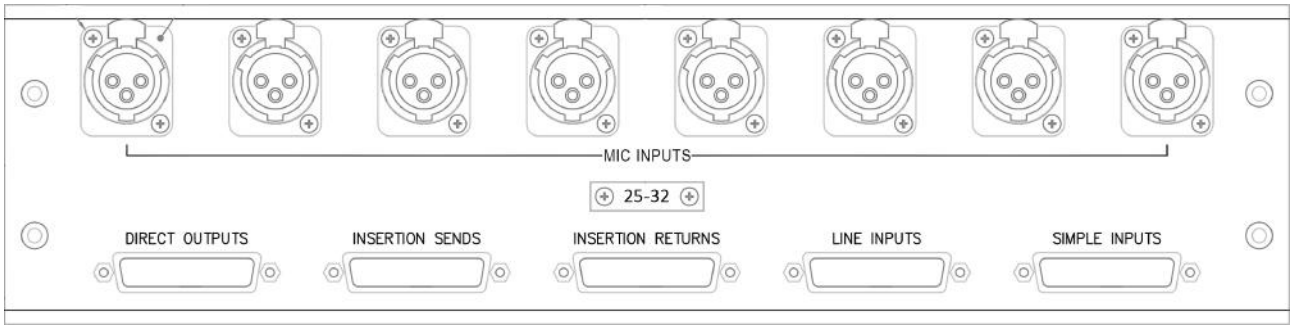
(XLR Socket)

| Channel | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Mic I/P 25 | 2 | 3 | 1 |
| **18** | Mic I/P 26 | 2 | 3 | 1 |
| **19** | Mic I/P 27 | 2 | 3 | 1 |
| **20** | Mic I/P 28 | 2 | 3 | 1 |
| **21** | Mic I/P 29 | 2 | 3 | 1 |
| **22** | Mic I/P 30 | 2 | 3 | 1 |
| **23** | Mic I/P 31 | 2 | 3 | 1 |
| **24** | Mic I/P 32 | 2 | 3 | 1 |

## Line I/Ps

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Line I/P 25 | 24 | 12 | 25 |
| **18** | Line I/P 26 | 10 | 23 | 11 |
| **19** | Line I/P 27 | 21 | 9 | 22 |
| **20** | Line I/P 28 | 7 | 20 | 8 |
| **21** | Line I/P 29 | 18 | 6 | 19 |
| **22** | Line I/P 30 | 4 | 17 | 5 |
| **23** | Line I/P 31 | 15 | 3 | 16 |
| **24** | Line I/P 32 | 1 | 14 | 2 |




**Channel Insert Send**

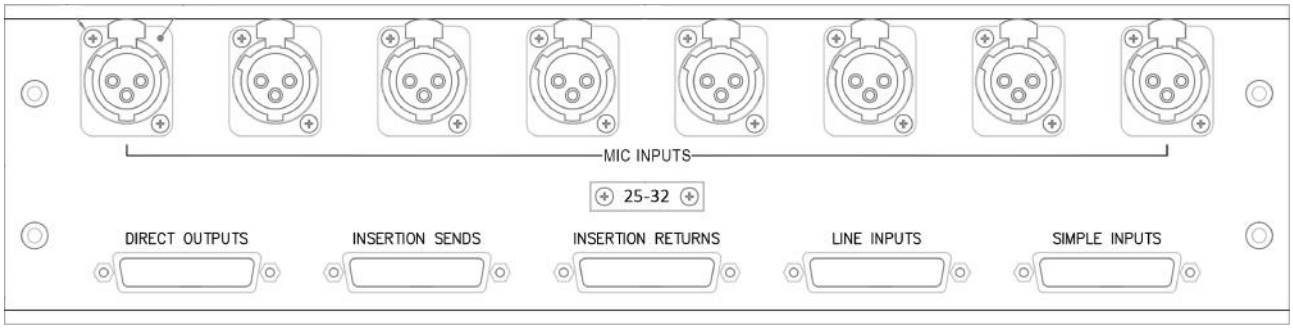
(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Channel Insert Send 25 | 24 | 12 | 25 |
| **18** | Channel Insert Send 26 | 10 | 23 | 11 |
| **19** | Channel Insert Send 27 | 21 | 9 | 22 |
| **20** | Channel Insert Send 28 | 7 | 20 | 8 |
| **21** | Channel Insert Send 29 | 18 | 6 | 19 |
| **22** | Channel Insert Send 30 | 4 | 17 | 5 |
| **23** | Channel Insert Send 31 | 15 | 3 | 16 |
| **24** | Channel Insert Send 32 | 1 | 14 | 2 |

**Channel Insert Return**

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Channel Insert Return 25 | 24 | 12 | 25 |
| **18** | Channel Insert Return 26 | 10 | 23 | 11 |
| **19** | Channel Insert Return 27 | 21 | 9 | 22 |
| **20** | Channel Insert Return 28 | 7 | 20 | 8 |
| **21** | Channel Insert Return 29 | 18 | 6 | 19 |
| **22** | Channel Insert Return 30 | 4 | 17 | 5 |
| **23** | Channel Insert Return 31 | 15 | 3 | 16 |
| **24** | Channel Insert Return 32 | 1 | 14 | 2 |




**DAW Send (Direct O/P)**

(Sends the outputs from the channels to the DAW to be recorded)

(25-way D-type SKT)

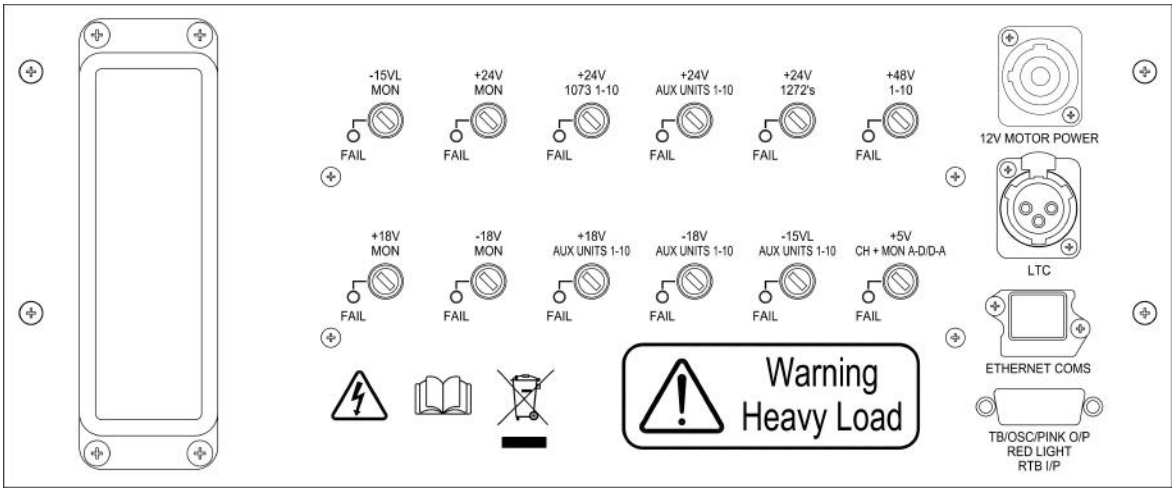
| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | DAW Send 25 | 24 | 12 | 25 |
| **18** | DAW Send 26 | 10 | 23 | 11 |
| **19** | DAW Send 27 | 21 | 9 | 22 |
| **20** | DAW Send 28 | 7 | 20 | 8 |
| **21** | DAW Send 29 | 18 | 6 | 19 |
| **22** | DAW Send 30 | 4 | 17 | 5 |
| **23** | DAW Send 31 | 15 | 3 | 16 |
| **24** | DAW Send 32 | 1 | 14 | 2 |

**Simple I/Ps**

(Channel DAW return to monitor DAW recording/play backs or DAW mixing.)

(25-way D-type SKT)

| Signal | Name | Pin | | |
|---|---|---|---|---|
| | | Hi | Lo | Screen |
| **17** | Simple I/P 25 | 24 | 12 | 25 |
| **18** | Simple I/P 26 | 10 | 23 | 11 |
| **19** | Simple I/P 27 | 21 | 9 | 22 |
| **20** | Simple I/P 28 | 7 | 20 | 8 |
| **21** | Simple I/P 29 | 18 | 6 | 19 |
| **22** | Simple I/P 30 | 4 | 17 | 5 |
| **23** | Simple I/P 31 | 15 | 3 | 16 |
| **24** | Simple I/P 32 | 1 | 14 | 2 |




**BCM10 Services (TB/OSC/PINK O/P RED LIGHT RTB I/P)**

(15-way D-type SKT)

| Pin | Signal | Notes |
|---|---|---|
| 1 | RTB Mic Hi | |
| 2 | RTB Mic SCR | |
| 3 | Pink/OSC O/P Lo | |
| 4 | TB O/P Hi | |
| 5 | TB O/P 0V | |
| 6 | EXT Mon Dim CTL | Requires switched GND (13) to operate |
| 7 | EXT Prod Cue TB CTL | Requires switched GND (13) to operate |
| 8 | RED Light Wiper | Makes contact with (15) when red light switches on |
| 9 | RTB Mic Lo | |
| 10 | Pink/OSC O/P Hi | |
| 11 | Pink/OSC O/P 0V | |
| 12 | TB O/P Lo | |
| 13 | GND | Common CTL operating pin |
| 14 | EXT Mon Cut CTL | Requires switched GND (13) to operate |
| 15 | Red Light Normally Open | Makes contact with (8) when red light switches on |

All inputs are pulled down to -15V via a 50K resistor and have clamp diodes to protect internal circuitry.

The trim pot for the **RTB MIC** offers 0dB to +40dB of trim on the Producers Mic, located near console TB Mic on the meter panel.

The **REM DIM** trim pot offers 0dB to +40dB of trim whenever the Dim is triggered externally dependant on where the Mon Dim control is set.

In the event that a blown fuse does need to be replaced, please consult the table below.

**NOTE: Only qualified personnel should change fuses for the same type of rating.**

**NOTE: The console should always be turned off and unplugged from the mains supply before changing any fuses.**

| Function | Rating | Location |
|---|---|---|
| +5V AC supply (F1) | T2A (250V AC) T3A (110V AC) Ceramic | Rear of console PSU |
| +24V AC supply (F2) | T3.15A (250V AC) T6.3A (110V) Ceramic | Rear of console PSU |
| -15VL monitor | T2A Glass | Rear of console |
| +24V monitor | T1A Glass | Rear of console |
| +24V 1073 | T5A Glass | Rear of console |
| +24V AUX | T5A Glass | Rear of console |
| +24V 1272s | T5A Glass | Rear of console |
| +48V | T1A Glass | Rear of console |
| +18V Monitor | T2A Glass | Rear of console |
| -18V Monitor | T2A Glass | Rear of console |
| +18V AUX | T1A Glass | Rear of console |
| -18V AUX | T1A Glass | Rear of console |
| -15VL AUX | T10A Glass | Rear of console |
| +5V CH + Monitor A/D D/A | T6.3A Glass | Rear of console |