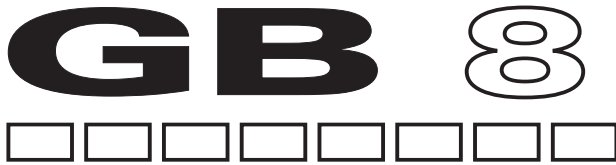


---

# Technical Data

---



## Contents

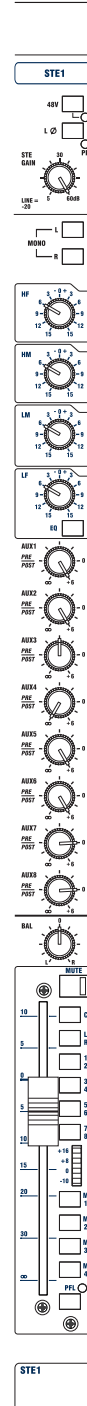
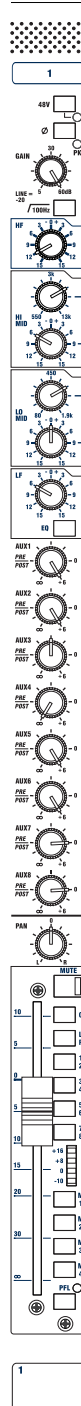
<b>Introduction</b>	<b>1</b>	<b>Block Diagram</b>	<b>4/5</b>
<b>Modules</b>	<b>2</b>	<b>Specifications</b>	<b>6</b>
<b>Mono Input</b>	<b>2</b>		
<b>Stereo Input</b>	<b>2</b>		
<b>Master Section</b>	<b>3</b>		

## Introduction

- Dual purpose console.
- 16, 24, 32, 40 and 48 channel frame sizes
- Individually switched 48V phantom power on every mono input module.
- 4 Full-feature Stereo channels.
- 8 Aux sends (all switchable between pre/post fader operation).
- 8 Group sends (SWAP with all 8 Auxes).
- 4 Stereo returns.
- 4 Mute Groups.
- 11x4 Output Matrix.
- Limiter on Record Output and Alternative Stereo Output.
- GB30 mic pre-amp.
- 4-band GB30 EQ.
- 1kHz oscillator
- Meter Bridge with accurate VU meters for LEFT, RIGHT and CENTRE Outputs.
- Integral power supply, with an external power supply link option.
- All metal TRS jacks and Neutrik XLRs.
- Direct outputs on all mono input channels.

#### Mono Input

#### Stereo Input



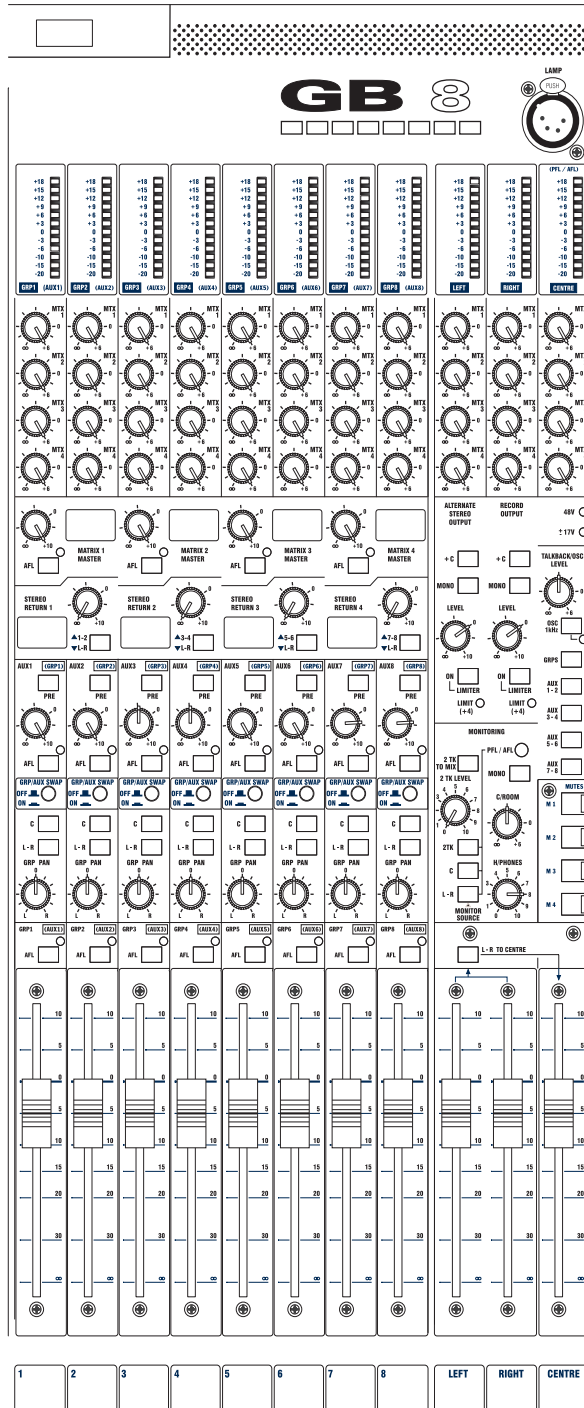
# GB 8



## Technical Data

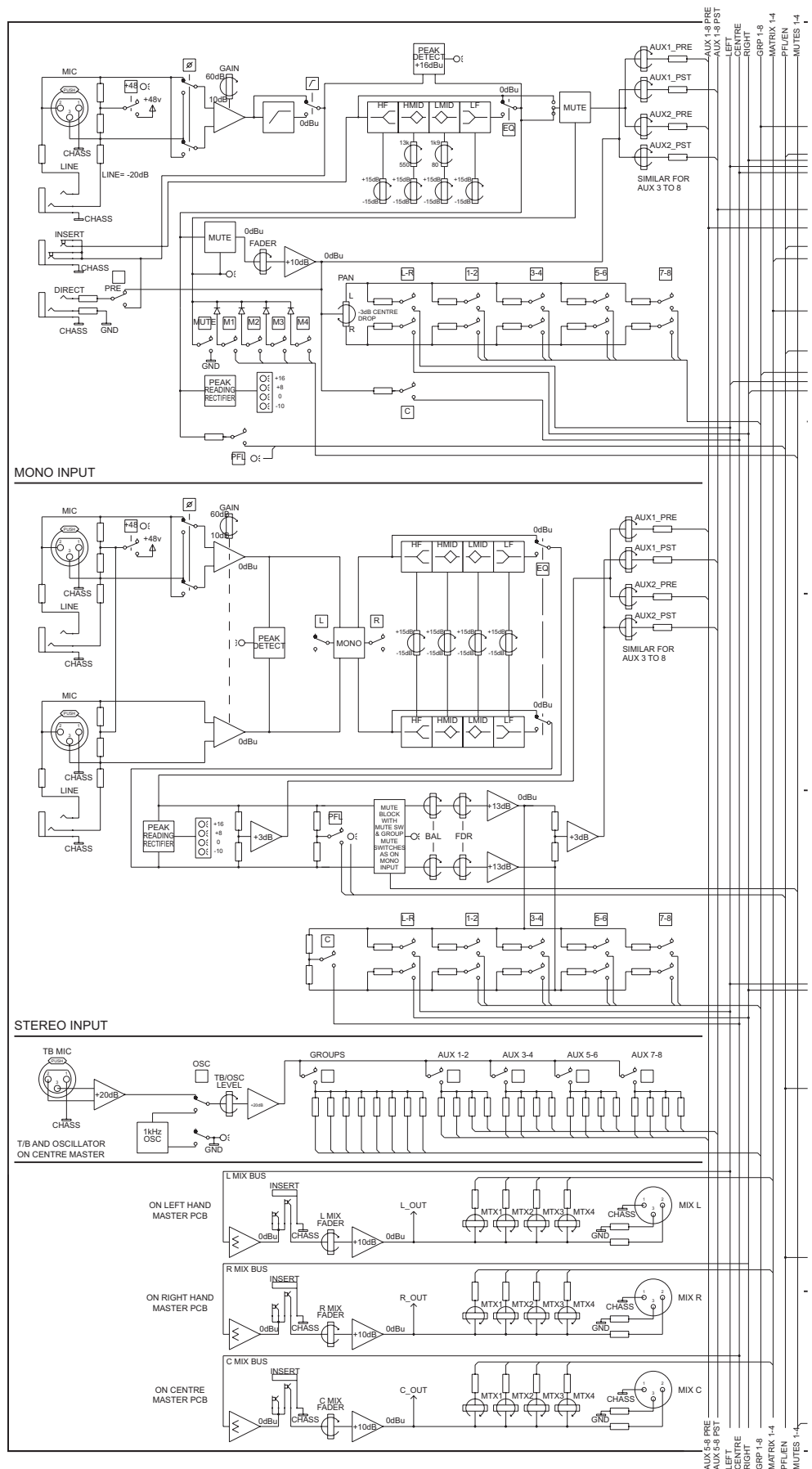
### GB8 Modules

#### Master Section





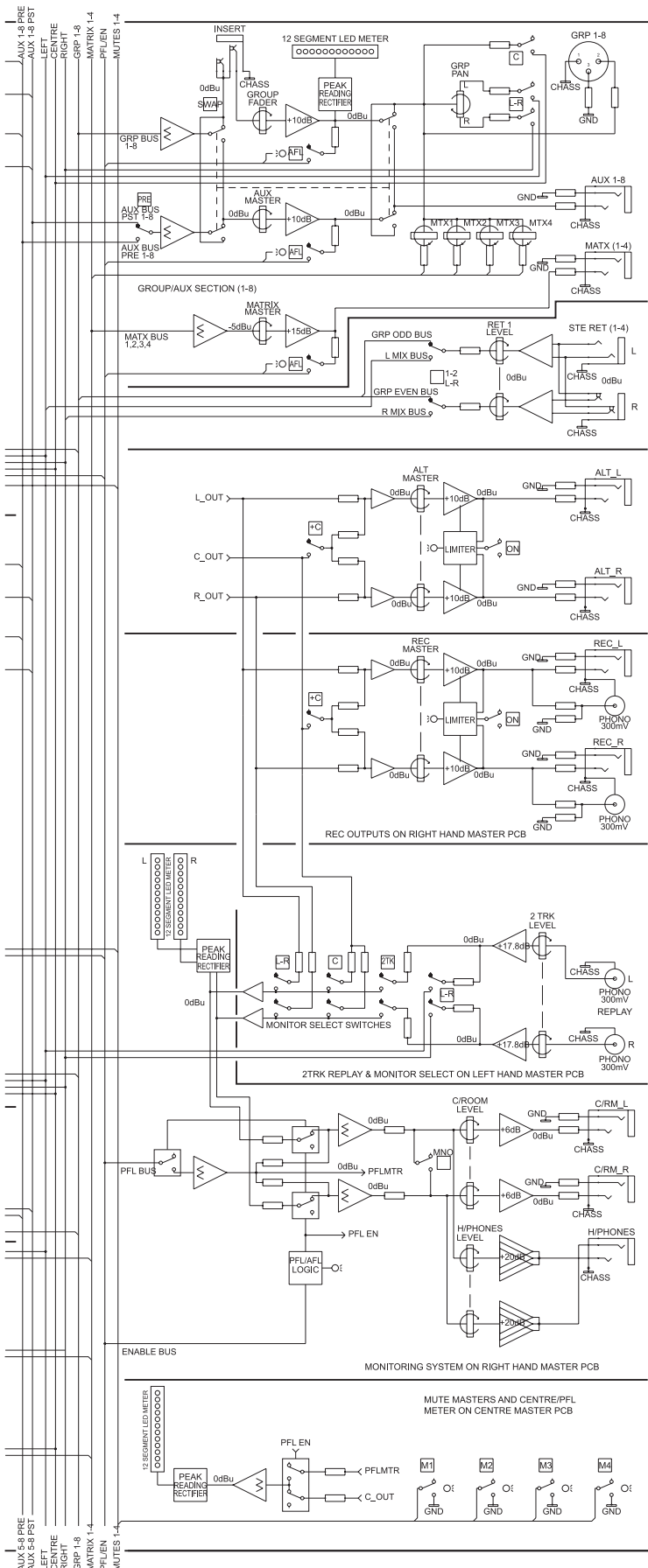
## Block Diagram

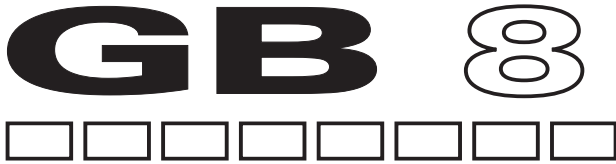


# GB 8



## Technical Data





# Technical Data

## Specifications

### Noise: Measured RMS, 22Hz to 22kHz Bandwidth

Mic E.I.N. @ unity gain, 150W source impedance .....	-128dBu
Mix Output, 40 inputs routed to mix .....	<-82dBu
Group Outputs .....	<-83dBu
Aux Outputs .....	<-80dBu
Matrix Outputs .....	<-89dBu

### Crosstalk (@1kHz, typical)

Input Channel Mute .....	<-97dB
Input Fader cut-off .....	<-95dB
Pan isolation .....	<-77dB
Mix route isolation .....	<-97dB
Group route isolation .....	<-97dB
Adjacent channel crosstalk .....	<-99dB
Group to Mix .....	<-89dB
Aux Send pots offness (typical) .....	<-84dB
Matrix Send pots offness (typical) .....	<-84dB

### Frequency Response

Mic/Line Input to any output, 20Hz - 20kHz .....	<1dB
--	------

### THD + N

Mic sens. -30dBu, +20dBu at all outputs @1kHz .....	<0.006%
---	---------

### CMRR

Typical @ 1kHz .....	80dB
----------------------	------

### Input & Output Max Levels

Mono & Stereo Mic Inputs .....	+15dBu
Mono & Stereo Line Inputs .....	+30dBu
Stereo Returns & Insert Returns .....	+20dBu
Any output .....	+20dBu
Nominal Operating Level .....	0dBu
Headphone Power .....	2x250mW into 200Ω

### Input & Output Impedances

Mic Inputs .....	2kΩ
Line Inputs and Stereo Returns .....	10kΩ
Mix, Group, Aux, Matrix & Direct outputs .....	150Ω
Insert Sends .....	75Ω
Insert Returns .....	5kΩ
Recommended Headphone Impedance .....	50 - 600Ω

SOUNDCRAFT, Harman International Industries Ltd., Cranborne House, Cranborne Road, Potters Bar, Herts., EN6 3JN U.K.  
Tel: +44 (0) 1707 665000 Fax: +44 (0) 1707 660742 EMAIL: info@soundcraft.com

SOUNDCRAFT USA, Harman Pro North America, 8500 Balboa Blvd., Northridge, CA 91329, USA  
Main tel: +1 818 920 3212, Main fax: +1 818 920 3208, Direct toll free: 888 251 8352  
EMAIL: soundcraft-usa@harman.com

**www.soundcraft.com**

