



Time For Change



COIN GT-013

GlenSound Commentary Telex Intercom

The GlenSound COIN GT-013 is first of a new generation of commentary and intercom units. In many broadcast infrastructures, the line between commentary and intercom systems is blurring. The COIN range was established to produce hybrid units featuring the best of both worlds, from the world's best developers in each specialist area. The leading commentary system designer GlenSound Electronics provide the commentary interface, and the leading intercom system design RTS/Telex provide the intercom interface. The result is the world's first dedicated commentary and intercom unit, the COIN GT-013.

Key Points

- **Single user commentary system**
- **High specification mic input with compressor**
- **48v Phantom Power**
- **Three source Headphone Monitoring**
 - Talk back return
 - Local Input
 - Sidetone
- **Three direct access intercom channels**
- **Each Intercom channel can be configured for any source on the matrix**
- **Fourth control shows any incoming signal from the matrix**

Fit for
Purpose



GlenSound Electronics has been designing the leading commentary systems for over 25 years. This has made GlenSound the first choice by engineers and operators for sports and news events around the world. Most of GlenSound's commentary systems incorporate talkback but not a dedicated intercom or a link into a master intercom matrix.

TELEX

Telex have been the leading intercom developer for many years and are established worldwide. They have recognised a need for a commentary unit to integrate into their intercom matrix. Telex have acknowledged that modifying an intercom talkback panel does not make it a dedicated commentary unit. A dedicated, fit for purpose device would be the best solution for the application.

This new system offers the broadcast integrity of a GlenSound commentary system, yet integrates seamlessly into the master Telex intercom. This offers a unique device, saving money, space and increasing flexibility.

This new development of dedicated commentary and intercom hybrid is known as the COIN range.



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Features



- **Broadcast Specification Microphone Control**
A high quality microphone input designed for commentary is used (Neutrik XLR). This ensures no distortion and a minimal signal to noise ratio.
- **Compressor/Limiter**
The incoming audio goes through a dedicated compressor limiter. The objective is to deliver a consistent and controlled microphone level through to the studio. The compressor will manage a wide variety of scenarios from the hushed tones of commentary on golf and snooker, through to the extreme levels of commentary in football and rugby.
- **Three Source Headphone Monitoring**
The commentator needs to manage his own audio inputs and levels for his reference audio signals. He has three sources available:
 - **Local Input**
An external input can be routed to the headphones. This may be the main programme feed for example.
 - **Sidetone**
This is the level of the commentators own voice in his headphones.
 - **Talk Back**
This is the incoming audio from the Telex intercom interface.
- **Headphone Monitor Switching**
Each input can be independently switched in the commentators headphones. Options are left ear, right ear or both ears.
- **Four Independent Talk Back Circuits**
There is direct push button access to four separate talk Tack Circuits. Pressing one of these buttons takes the incoming mic of air and directs it back to the corresponding talk back circuit.
- **Talk Back Control Configuration**
The talkback section of the COIN utilizes the RTS highly versatile KP range user interface. This provide a fully programmable station with the high versatility green alphanumeric LED display.



Rear Panel

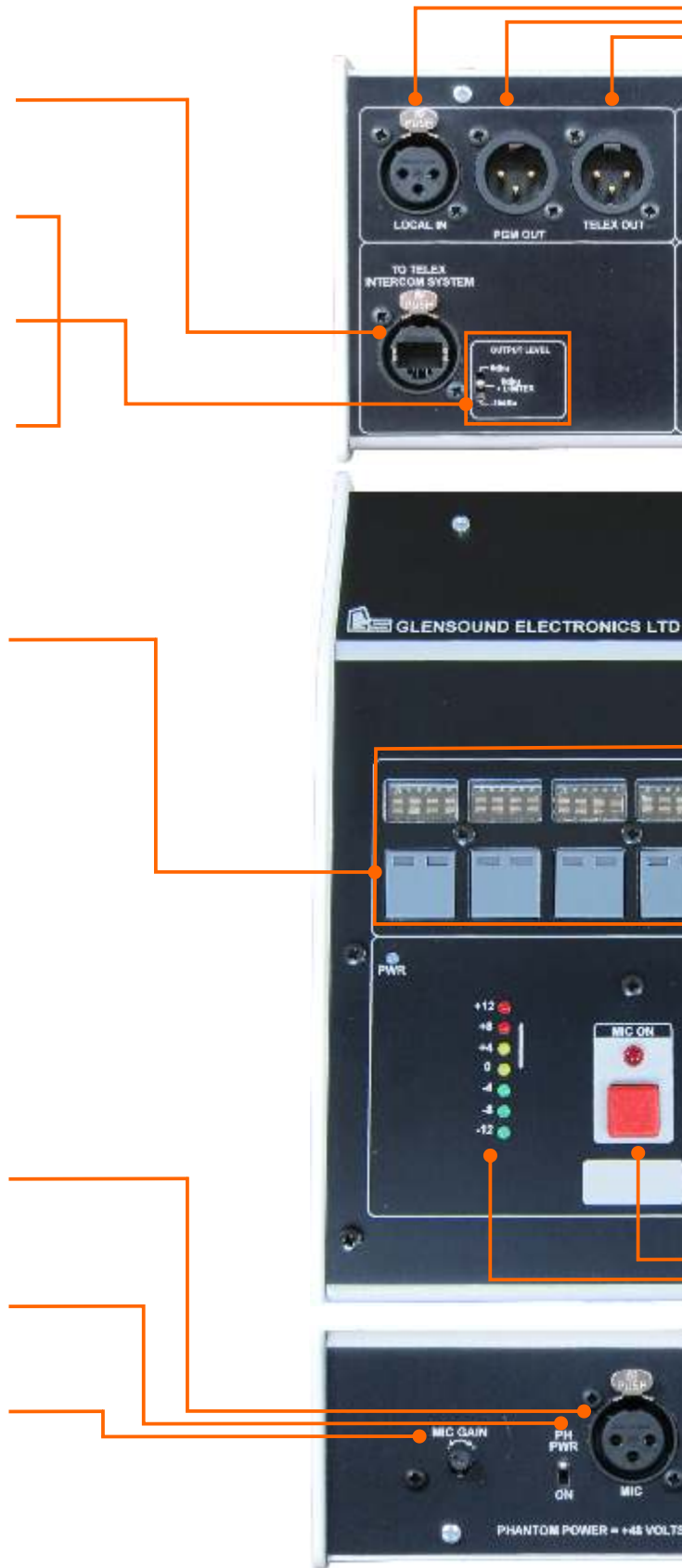
- To TELEX**
 RJ45 connection with bi-directional audio and data for seamless integration to the Telex matrix.
- 0dB and Limiter**
 This turns on the much acclaimed GlenSound compressor/limiter circuit.
- 0dB**
 In this mode, no compression or limiting is applied to the mic input. Often used for quiet events.
- 10dB No Limiter**
 The lower level output provides extra headroom if a compressor/limiter is to be used externally from the unit.

Talkback System

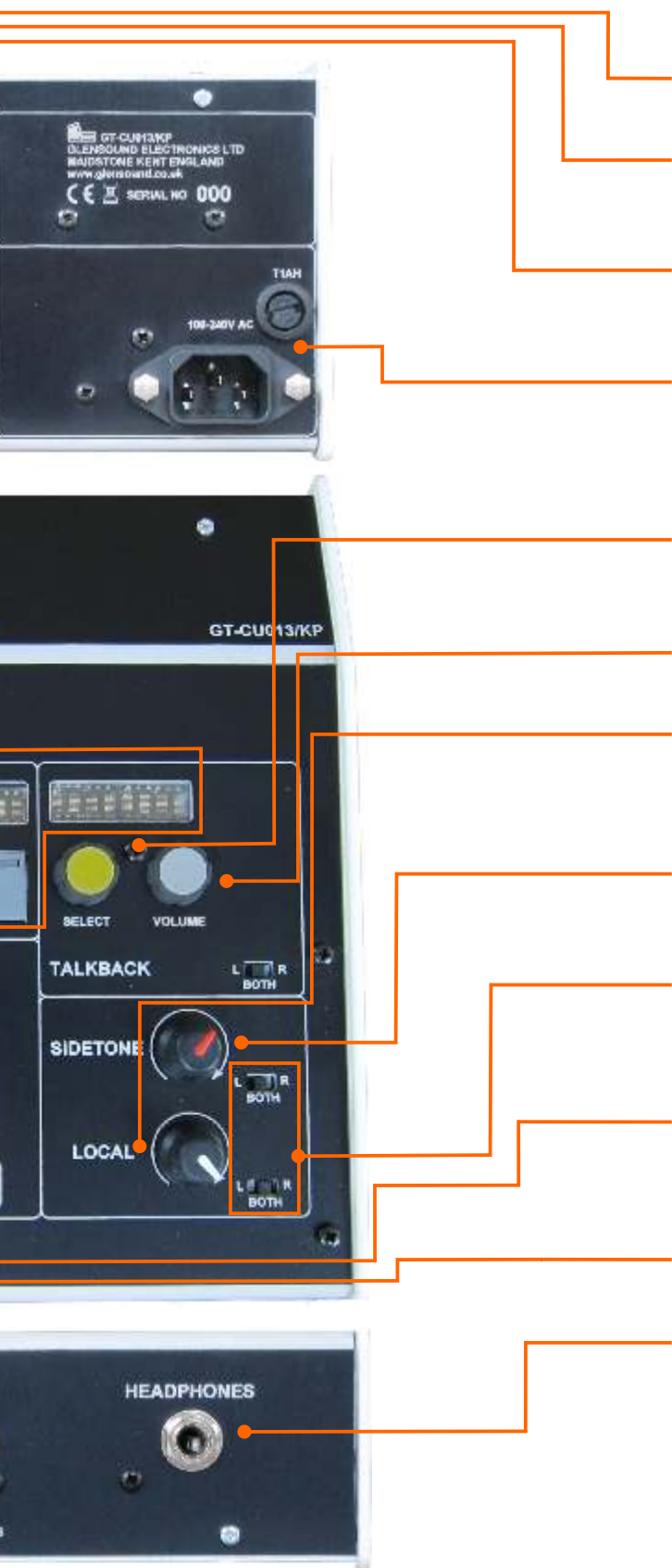
- RTS KP Technology**
 Easy to interface to RTS RB matrixes as genuine RTS components are used.
- Easy To See Displays**
 Extremely long life, high versatility, green alphanumeric LED's.
- Fully Programmable**
 Pull down menus accessed by the front panel shaft encoder make the RB system very versatile.
- Talk/Listen**
 The push button provides individually assignable talk, listen or T/L functions on each button.
- Assignable Keys**
 All keys are assignable for all functions (point to point, IFB, ISO, PL, SL, relay and GPI).

Front Panel

- Mic Input**
 Mic input on XLR connection.
- Phantom Power Control**
 Selection switch to select phantom power off, or on at 48V.
- Mic Gain**
 Make input gain adjustments on the small micro pot to avoid accidental use.



GLENSOUND COIN GT-013 Features



Rear Panel

- **External Local Input**
External local input
- **PGM Out**
Transformer balanced output of the commentators mic.
- **TELEX Out**
Balanced audio output of the return from the Telex matrix.
- **Mains Input**
100-250V AC

Monitoring Controls

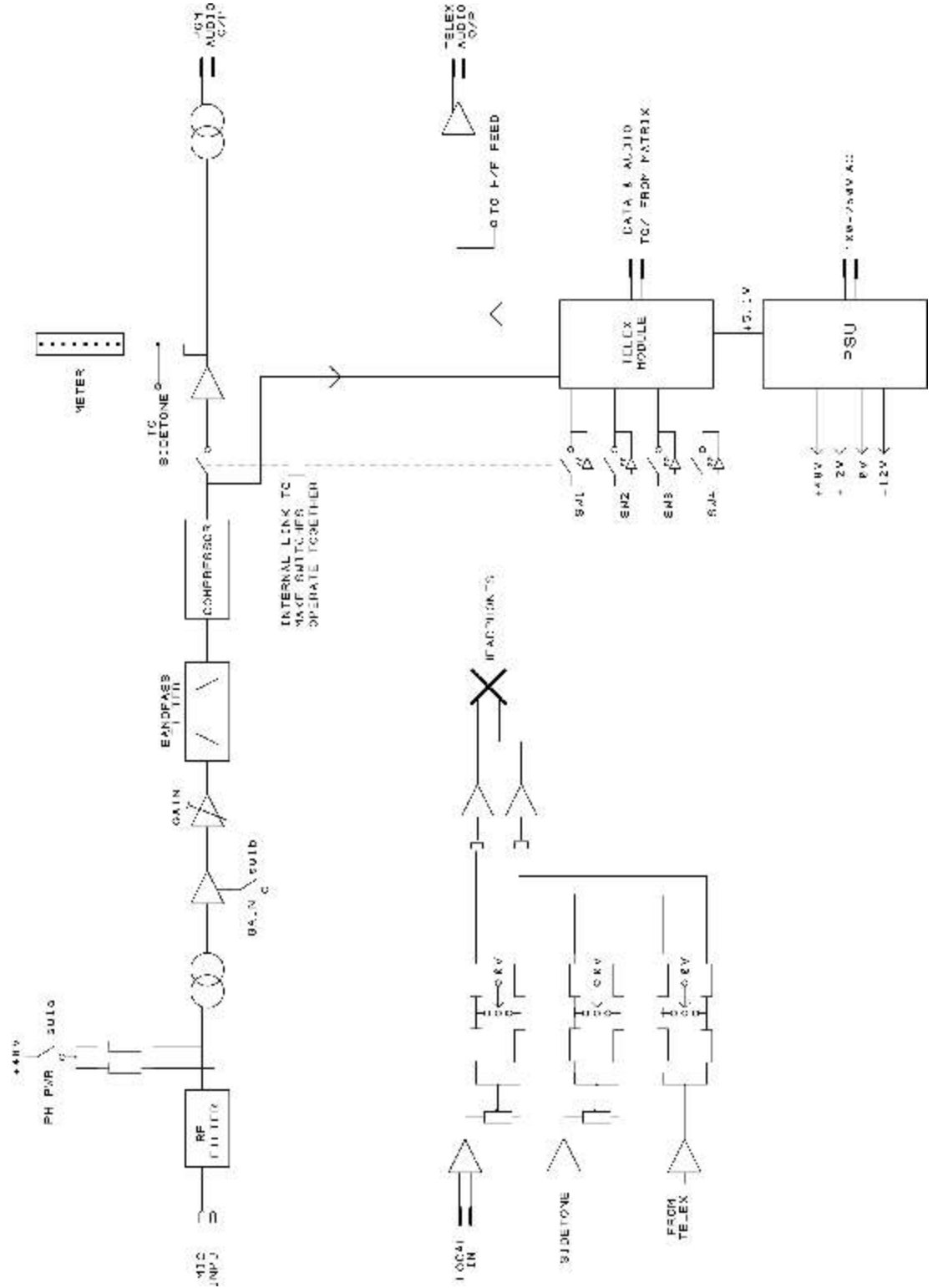
- **Talkback Select**
Adjustable control for selecting the talkback source from those available on the Telex matrix.
- **Headphone Volume Adjust - Talkback**
Talkback level.
- **Headphone Volume Adjust - Local**
External local input. This control adjusts the monitor level of the external input, typically the programme audio.
- **Headphone Volume Adjust - Sidetone**
Headphone monitoring input. Sidetone is the level of the commentators own voice.
- **Headphone Input Routing**
These switches route the incoming audio in the headphones. Options are left ear, right ear or both ears.
- **Mic On/Off Button**
This routes the commentators mic to the programme output. It can be set to operate as a cough switch, latching, or momentary
- **PPM**
7 source PPM.
- **Headphone Socket**
6.35mm jack headphone socket.



**GlenSound
Commentary
RTS/Telex Intercom**



Block Diagram





Specifications



Technical Specification

GENERAL SPECIFICATIONS

HEIGHT	106 mm
WIDTH	177 mm
DEPTH (Excluding Connectors)	224 mm
POWER INPUT	100 to 240 VAC 50 – 60 Hz
AUDIO CONNECTORS	Neutrik XLRs

AUDIO INPUT SPECIFICATIONS

MIC INPUT GAIN	-70 dBu to -50 dBu
MIC+ PHANTOM POWER GAIN	-45 dBu to -25dBu
PHANTOM POWER	+48V @ 3.2Ma
MAX INPUT LEVEL	-30 dBu (gain@60dB)
NOISE	>-60dB (gain@60dB0)
DISTORTION	<0.1% (50Hz to 20kHz)
FREQUENCY RESPONSE	>-2dB (26Hz to 16 kHz)
FILTER	-3dB@80Hz, -3dB @ 12kHz

AUDIO OUTPUTS & CONNECTORS

HEADPHONE AMPLIFIERS OUTPUT ON 6.35MM JACK	1
PROGRAMME OUTPUTS ON XLR WITH VARIABLE COMPRESSOR	1
TALKBACK OUTPUTS ON XLR	1
LOCAL RECORD ON XLR	1

TELEX INTERFACE

1 x RJ45 to matrix

HEADPHONE SPECIFICATION

IMPEDENCE	32 - 1000 ohms
OUTPUT LEVEL	Max +19dBu into 600ohm. Warning - High headphone levels can be harmful to hearing.

CONNECTIONS

INPUTS ON FEMALE XLR	1-GND, 2-HOT, 3-COLD (antiphase)
OUTPUTS ON MALE XLR	1-GND, 2-HOT(phase), 3-COLD (antiphase)
HEADPHONE OUTPUTS ON 6.35MM STEREO JACK SOCKET	TIP-L signal, RING-R signal, SLEEVE-ground. Accepts A or B gauge jack plugs. RJ11 sockets
REMOTE CONNECTIONS	
POWER	
INTERNAL INDICATION	Switch mode 100-240v Power on LEDS



GT-CU013

COIN

commentary
& intercom



TELEX

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E & OE

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