SONOSAX SX62R - Wiring diagram
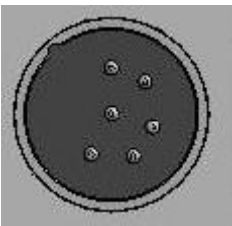
REAR PANEL CONNECTORS

- IN 1 to 6:   XLR3-F / Mic-Line Input / electronically balanced (transformer less)
  Pin 1 = Gnd / Pin 2 = Hi (+) / Pin 3 = Low (-)

- MIX-L MIX-R: XLR3-M / main output at line level / electronically balanced (transformer less)
  Pin 1 = Gnd / Pin 2 = Hi (+) / Pin 3 = Low (-)

- BOOM :   XLR6-F / MIC PL mic input with 48V & Secondary monitor output, stereo unbalanced
  see wiring diagram below

- MONO: TA3-M / main Mono output summing L & R / Line level unbalanced
  Pin 1 = Gnd / Pin 2 = Hi (+) / Pin 3 = Gnd

- AUX OUT: TA3-M / unbalanced stereo analogue output or digital AES out (menu AUX OUT)
  Pin 1 = Gnd / Pin 2 = Left / Pin 3 = Right

- RETURN: TA3-M / unbalanced stereo analogue line input (for monitoring or additional feed)
  Pin 1 = Gnd / Pin 2 = Left / Pin 3 = Right

- DC IN 6-18V: Hirose 4pin-F / external DC power supply
  Pin 1 = 0VDC or Gnd / Pin 2 = n.c / Pin 3 = n.c / Pin 4 = +VDC 6 to 18V

Wiring diagrams for BOOM connector

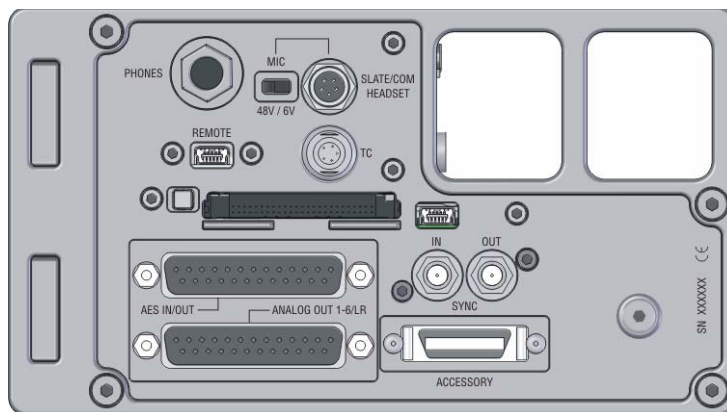**XLR-6F**   Compatible with SONOSAX BOOM BOX
                           Mating cable connector: XLR-6M

Pin 1 =   Left output secondary Monitor
Pin 2 =   Right output secondary Monitor
Pin 3 =   Gnd secondary Monitor out
Pin 4 =   PL microphone Hi +
Pin 5 =   PL microphone Lo -
Pin 6 =   PL microphone Gnd & CALL

NOTE: Bridge Pin 6 (Mic Gnd) and pin 3 (Monitor Gnd) via a switch to
          activate the PL duplex communication (Boom Call)
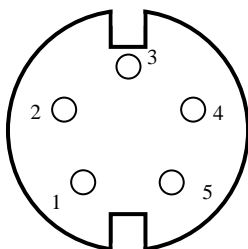
RIGHT SIDE PANEL CONNECTORS

- PHONES: 1/4" stereo jack / Main Monitor stereo output,
                 Sleeve = Gnd / Ring = Right / Tip = Left

- HEADSET: Binder 5 pin male / Main Monitor stereo output (wired in parallel with PHONES,
                 and external Mic Input for Slate and communication
                 see wiring diagram below

- REMOTE :   USB-2 High speed / user interface remote control (future use)

- T.C.:   Lemo 5 pin male / Time Code input-output
                 see wiring diagram below

- AES OUT: 25pin Sub-D connector / AES-31 input & output (option in preparation)
                 see wiring diagram below

- SYNC IN: SMA connector / Word Clock or Video sync input

- SYNC OUT: SMA connector / Word Clock output

- ANALOGUE OUT: 25pin Sub-D connector / unbalanced direct out of channels 1 to 6 and balanced
                 output of Mix-L & Mix-R
                 see wiring diagram below

- ACCESSORY: 26pin 3M connector / AES input (option) and serial interface (future use)
                 compatible with SX-R4 and MINIR82 accessory connector
                 see wiring diagram below

HEADSET connector

Binder 5 pin Male Serie 711   SONOSAX ref: ....   or Binder nr 711 1 99 0095 102 05
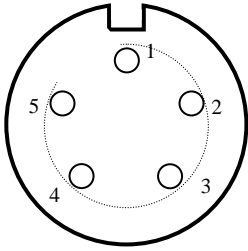

Pin 1:   GND for Phone & Mic
Pin 2:   Phone Out Left
Pin 3:   Phone Out Right
Pin 4:   Comm. Mic High
Pin 5:   Comm Mic Low

Note: The switch located beside the 5 pin Binder connector
            selects between 48V phantom and +6V for Electret microphone
            for electrets microphone +6Vdc is on Pin 4

Solder side view

Time Code connector

Lemo 5pin male   SONOSAX ref: SX-860232 or Lemo FGG.0B.305.CLAD52
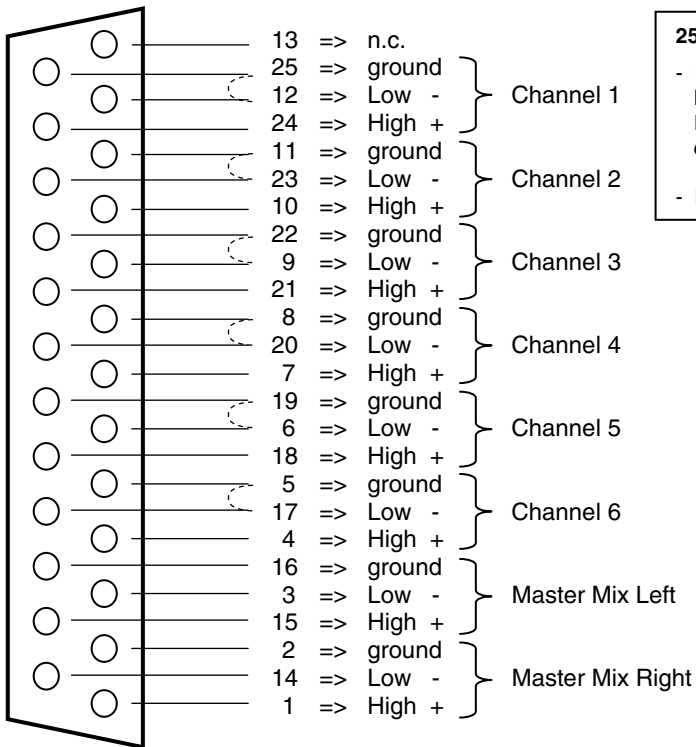
Pin 1:   GND
Pin 2:   SMPTE Out
Pin 3:   n.c.
Pin 4:   n.c.
Pin 5:   SMPTE in

ANALOGUE OUT 1-6 / LR

25 pin Sub-D female   Mating cable connector: 25 pin Sub-D male

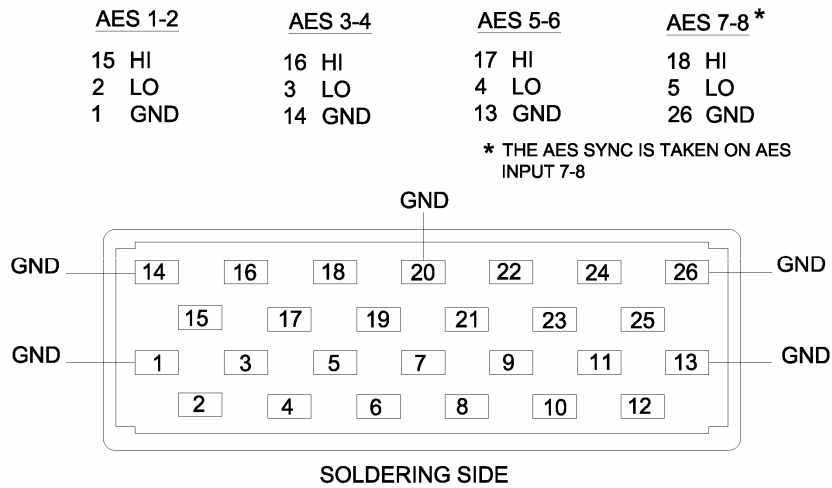|		
13 => n.c.		
25 => ground		
12 => Low -	Channel 1	
24 => High +		
11 => ground		
23 => Low -	Channel 2	
10 => High +		
22 => ground		
9 => Low -	Channel 3	
21 => High +		
8 => ground		
20 => Low -	Channel 4	
7 => High +		
19 => ground		
6 => Low -	Channel 5	
18 => High +		
5 => ground		
17 => Low -	Channel 6	
4 => High +		
16 => ground		
3 => Low -	Master Mix Left	
15 => High +		
2 => ground		
14 => Low -	Master Mix Right	
1 => High +		

25 pin Sub-D Male mating connector:

- Direct Channel Outputs of channels 1 to 6 => unbalanced
  Low and Gnd are internally bridged.
  Internal soldering jumpers selects for Pre or Post fader
  channels output

- Main Outputs Left & Right => electronically balanced

ACCESSORY connector

26 pin 3M connector   SONOSAX ref: SX-860570

AES 1-2	AES 3-4	AES 5-6	AES 7-8 *
15 HI	16 HI	17 HI	18 HI
2 LO	3 LO	4 LO	5 LO
1 GND	14 GND	13 GND	26 GND

* THE AES SYNC IS TAKEN ON AES
INPUT 7-8

GND

GND —— [14] [16] [18] [20] [22] [24] [26] —— GND

      [15] [17] [19] [21] [23] [25]

GND —— [1] [3] [5] [7] [9] [11] [13] —— GND

      [2] [4] [6] [8] [10] [12]

SOLDERING SIDE

TIME CODE IN	WORLD CLOCK IN or VIDEO IN	WORLD CLOCK OUT	SERIAL BUS	MONITOR OUT
19 HI	7 INPUT SIGNAL	8 OUTPUT SIGNAL	22 TX HI	25 LEFT
6 LO	20 GND	20	9 TX LO	12 RIGHT
20 GND			23 RX HI	24 GND MONITOR
			10 RX LO	
			11 INT	
			21 DV	