audient

asp
880

asp
880

1.3

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www.audient.com

Audient!

ASP880

ASP880   :

ASP008.   • 8   A   2

ASP880,   JFET.

8   • 48

,   • 60   -10

1RU.   1 2

15   •

(iD22,   ,   '

ASP8024, ASP4816).   • "   "   AES
                                                                          ADAT SMUX
ASP880   . Lo, Med   Hi   -
                                              !   -   ASP880

,   •

,   (12   /   )

50   ,

(

) -   !   •

Burr-Brown

iD22,   .

,   • Burr-Brown   -
!   ADAT SMUX   AES   115

,   ,   •

,

. ASP880

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www.pop-music.ru
8-800-250-55-00   www.pop-music.ru
                                                                                              8-800-250-55-00

ASP880
:

· ASP880
· IEC
·

www.audient.com/products/asp880/ downloads,

. /
,
. .

ASP880
90 264

-

IEC.

ASP880,
!

+18dBu = 0dBFS

PEAK ( )= -2dBFS,
SIG ( ) = -38dBFS

-10

48

ASP880

4

SAMPLE RATE

+48V PAD Ø A-D PK
CH1

+48V Ø A-D PK
CH2 SIG

+48V Ø A-D PK
CH3 SIG

+48V A-D PK
CH4 SIG

+48V Ø A-D PK
CH5 SIG

+48V Ø A-D PK
CH6 SIG

+48V Ø A-D PK
CH7 SIG

+48V Ø A-D PK
CH8 SIG

LO HI MED I/P Z dB GAIN 60 25 Hz HPF 250

D.I
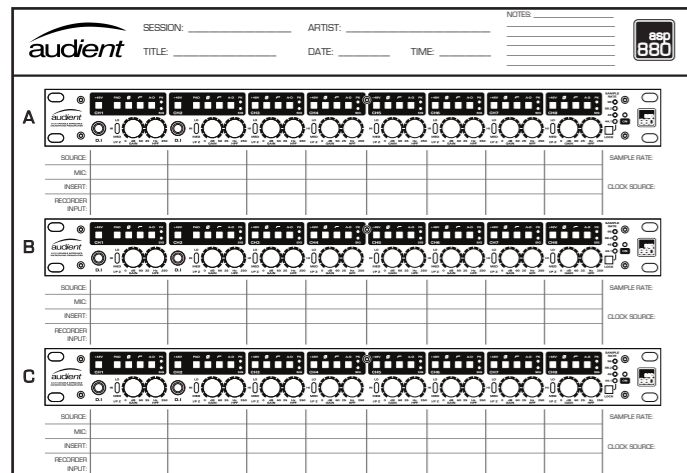
asp 880

JFET DI- :

220, 1200 2800

- !

60

!

(12 /)
(25 250)

*

DB25

(DB25)

BNC WORDCLOCK
Hi-Z

T1 ( )
75

ASP880

XLR (.)/ TRS (.)

( )

A-D

90-264

IEC
.
!

DSUB 9- ,

AES

S/PDIF

ADAT SMUX
8

<48 .

4   > 48

ASP880,

ASP880.

CAUTION | **ATTENTION**
RISK OF ELECTRIC SHOCK DO NOT OPEN | RISQUE DE CHOC NE PAS ENLEVER
WARNING
THIS EQUIPMENT MUST BE EARTHED
DO NOT EXPOSE TO RAIN OR MOISTURE

ASP880

www.audient.com/support

1U

90   250   50-60 .

!   !

1.
2.
3.
4.
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6.
7.   .
8.
               (   ),
9.

10.

11.
12.

13.
14.

15.

CE   Audient Ltd   ,   iD22,   ,
                CE   ,   ,
                   .

RoHS   Audient Ltd   ,   ,
       2002/95 / EC   (RoHS).

ASP880

8

0   60
-127,5   .

,   ,

Pad -10
1   2
-10   + 50   .

XLR/
TRS 1/4",
(> 6   ),
.

(,
2-   3-   ).   ,
.

,

(!).

JFET DI-

ASP880   DI-
JFET
(1   2).   ,

.
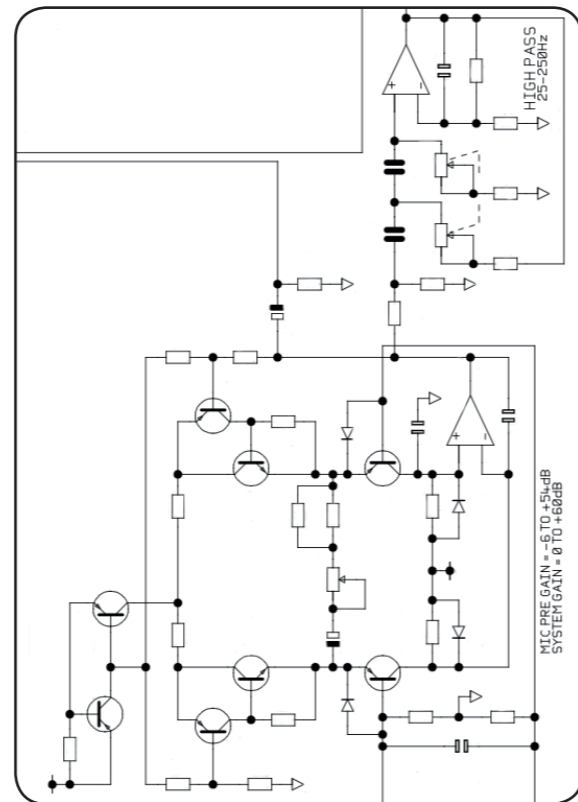
JFET?

JFET -   p-n
,
.   JFET
.

.

(1012   )

.

.

6000   40000   ,
,
10   ,   .

400   .   ,

1   !

DI-   ASP880
1   ,
.

JFET
2-   3-   ,
.

ASP880

, +/- 18   .

+27,5 dBu   DB25.

,

ASP880,
ADAT   AES.

ASP880
+ 18dBu = 0dBFS (   ),

4   9,5   (
                        !).

(   ) ASP880
                        -10dBFS
        DAW.
                        ,
                        .

                ASP880,

        DAW.

-10 dBFs!

I/O
Mic In
Main OutL/R
AUTO
auto read
no group
pan ▸ 0 ◂
S   M
St Out
Read
0.0
CUE A
CUE B
C
S   M
vol   0.0
dyn
ASP880 Ch1
ASP880 CH1

ASP880
-48dBFS (-30dBu),
-2dBFS (+16dBu).   ,
                ,   ,
                DAW.

ASP880
                        :
•   +48
•   (Pad) -10   (1   2)
•
•

+48

                                +48V (1).
                48   +/-4   10
        ,
                DIN45596.

                        .

-10
                PAD 10   (2)

                        1   2.

                ,

(lo, med   hi),
                                !

Ø

                180

                        .

ASP880

o (3),

2-
12   .
                        .   .
                                        (4)
                (5)   .
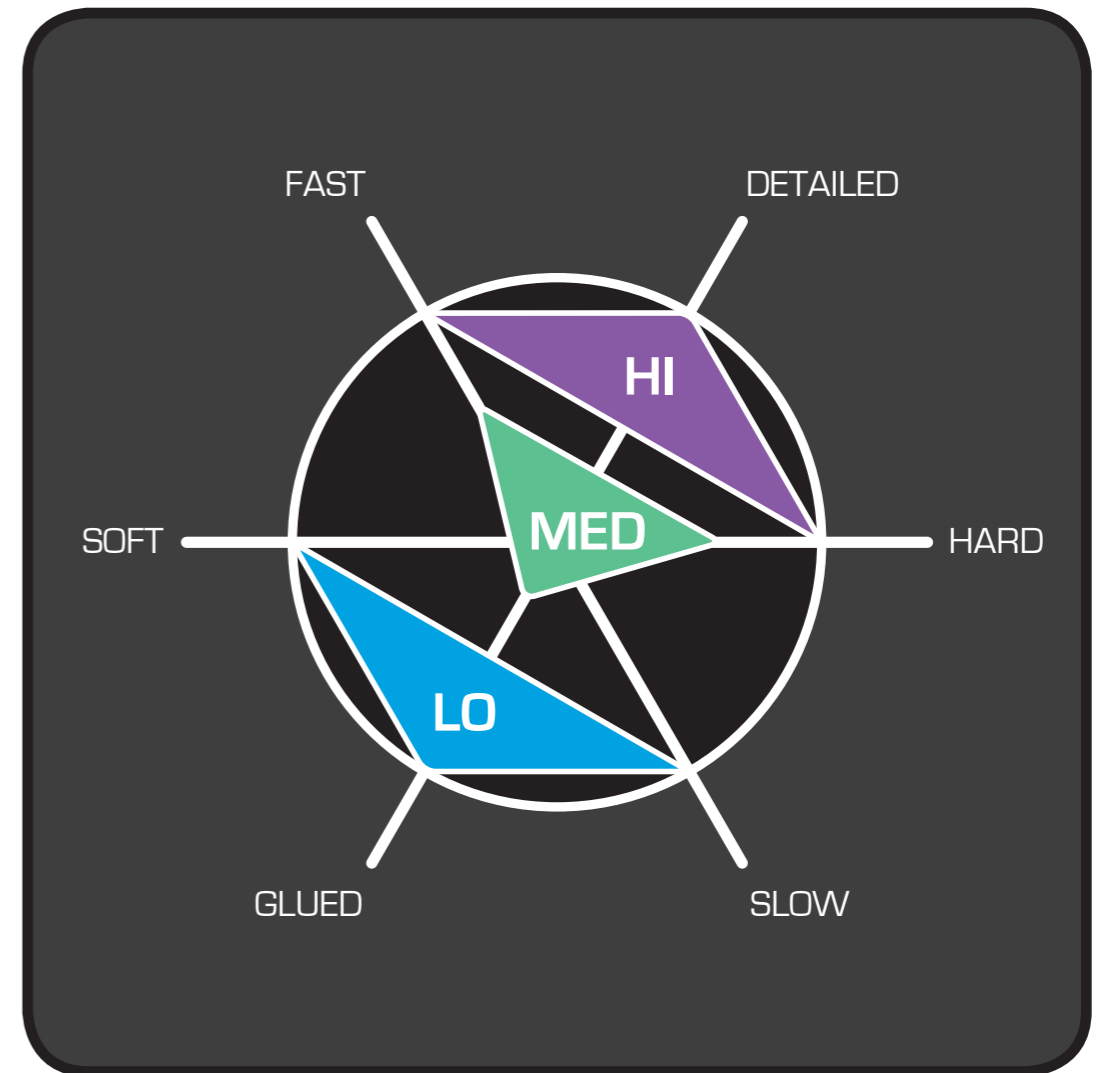
( ) ( )

ASP880

(Z).

(SM57) ,

310 1

SM57 / SM7 Coles
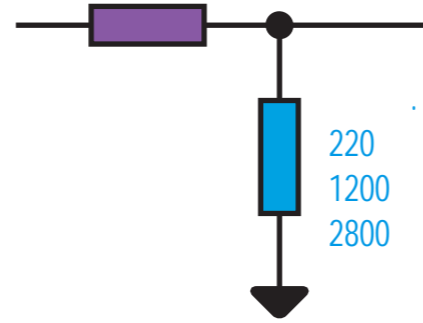
ASP880 :

- LO 220
- MED 1200
- HI 2800

Z

SM57 ( ):

2k

Ω

310 Ω

0

20 Hz 20k

220
1200
2800

-20

dB

LOAD = 2800 Ω

LOAD = 1200 Ω

LOAD = 220 Ω

∞

20 Hz 20k

HI-Z.

:

1.
2. ( )
3. ( )
4.

FAST · DETAILED

HI

MED
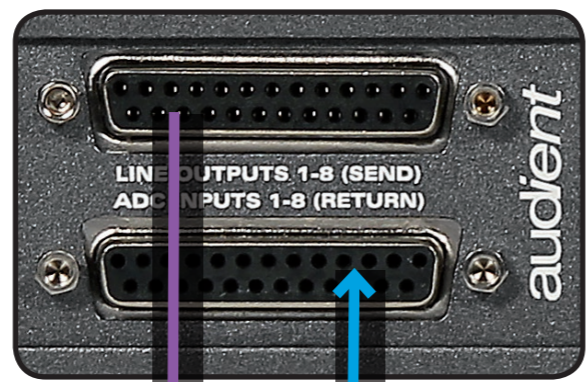
SOFT · HARD

LO

GLUED · SLOW
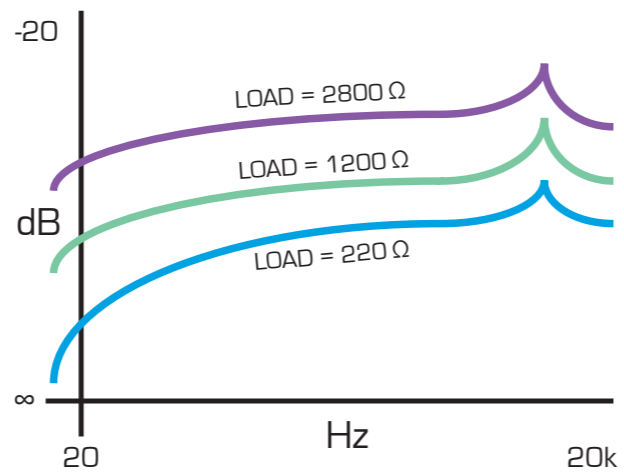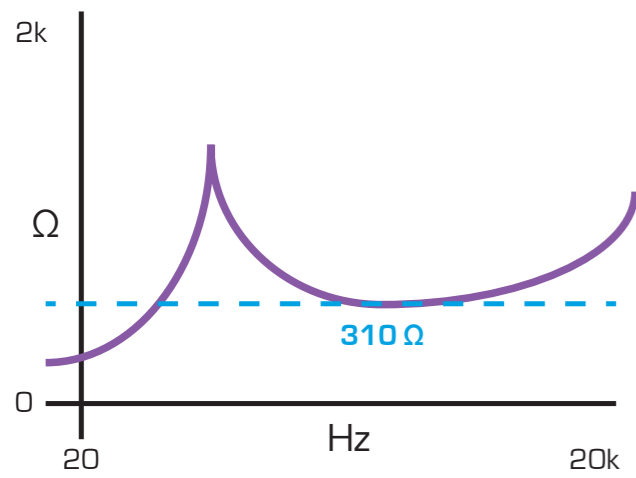
ASP880 8

DB25.

ASP8024,
«   »

ASP880

Tascam DB25,   100
+27,5 dBu.

DB25,
(Tascam).
-

+ 18dBu (0dBFS
= + 18dBu)

!

A-D
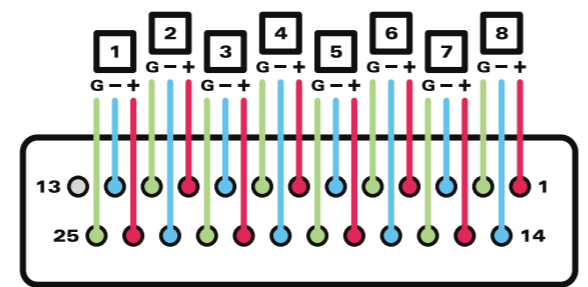
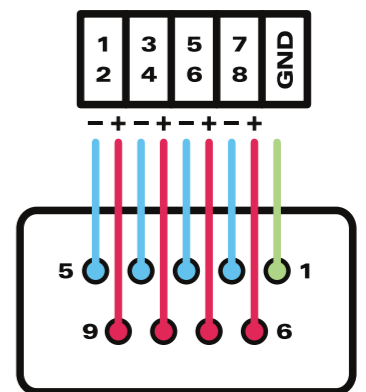**Analogue DB25 Pinout**

- AES - S/PDIF

ASP880
AES,
ADAT   (96   ).
AES   9-
DSUB
AES. 9-
DB9
AES,
.

AES - S / PDIF (1)
DB9
(. .)
S / PDIF.
,   ,
AES,
.

- ADAT SMUX

ADAT,
,
SMUX.

48

(1-4) ADAT.   8
48   .
48   ,
8   96   ,
,
4   .

1.

Digital DB9 Pinout

ASP880   iD22 -

ASP880
iD22   ADAT
10   Audient, 10
Burr-Brown   6
!   !

ASP880

ASP880

:

• (MASTER)

• (SLAVE)

Master ( )

ASP880

, -

ASP800 DAW /
ADAT AES.
:

ASP880, SAMPLE RATE (1)
.

DAW
,

(ADAT AES).

DAW

, ASP880.

AES ADAT ,

!

1.

(ADAT AES) DAW/

Audient iD22

Clock source ✓ Audient Internal Clock
            Audient S/PDIF Clock
            Audient ADAT Clock

Source: Default

Format: 44100.0 Hz   14ch–24bit

Slave - ( )

, ,

, ASP880

DAW

,

.
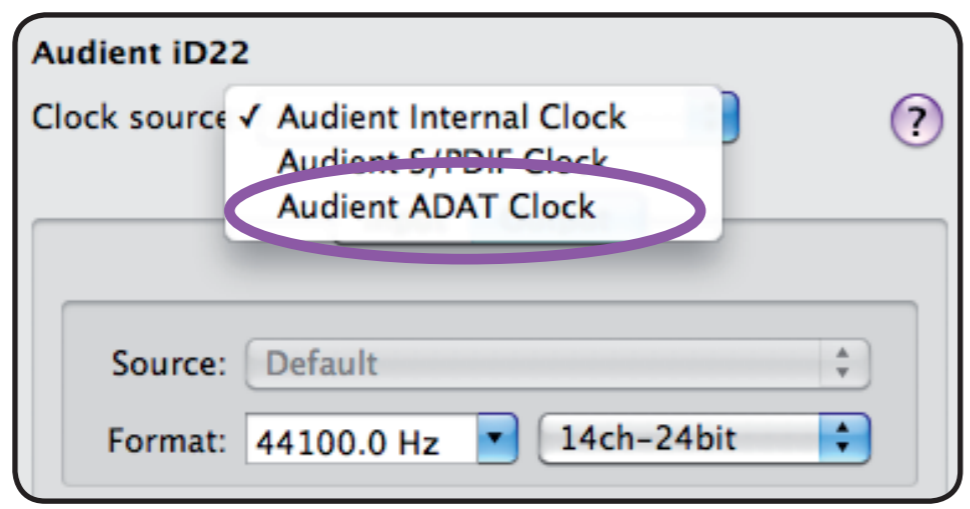
, ASP880 SLAVE,

.

SAMPLE RATE (1),
(
).

-

BNC 75
Word Clock ASP880 (3).

SAMPLE RATE

, ,
.

ASP800

-
75 (2),
,
.

- BNC

,

75 .

1.

BNC- -

2.   3.

75

(ADAT AES)
DAW/

ASP880 BLOCK DIAGRAM

CHANNEL 1 SHOWN ONLY
CHANNEL 2 AS SHOWN WITH D.I INSTRUMENT INPUT
CHANNELS 3-8 AS SHOWN, EXCEPT WITHOUT D.I INSTRUMENT INPUT

8-CHANNEL BALANCED LINE OUTPUTS

PRISTINE 8-CH PCM A/D CONVERTER
24/96 ADC1
115 dB
AES ADAT
PEAK INDICATOR

TOTAL SYSTEM GAIN: 0 to 60 dB
+6 dB
DC-COUPLED BALANCED LINE DRIVER

VARIABLE HIGH PASS FILTER / 25 - 250Hz
SMOOTH LOW FREQUENCY CONTROL

DIRECT ADC ACCESS (PATH SPLIT)

DISCRETE CLASS-A HYBRID MIC PRE
-6 - 54 dB

LINE RECEIVER BALANCED

8-CHANNEL BALANCED ADC LINE INPUTS
-6 dB
ADC INPUTS 1-8 (RETURN)

MIC / D.I AUTO SENSE SELECT
VARI-Z / LO HI MED HI-Z
POLARITY REVERSE
-10dB PAD
+48V CH1
LINE MIC CH1

LO = 220 ohm
MED = 1200 ohm
HI = 2800 ohm
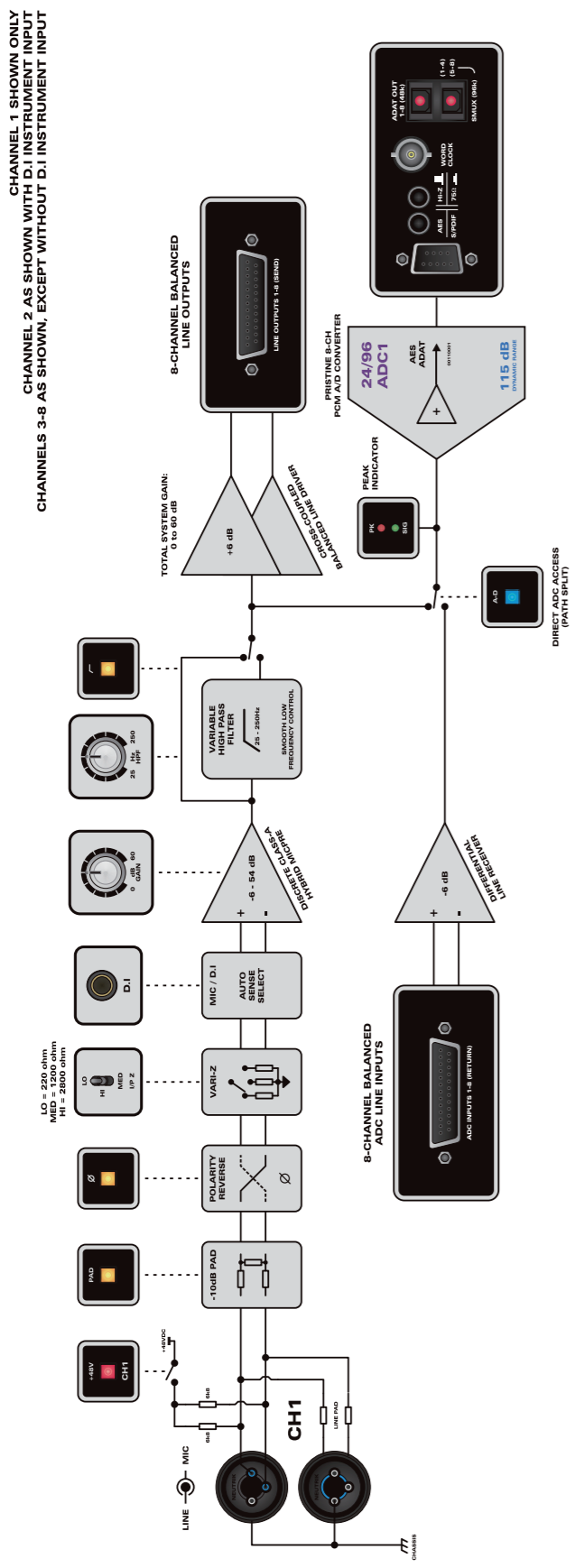
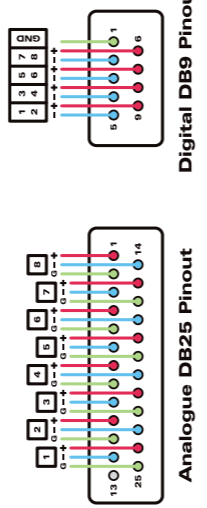### Microphone Input:
XLR Combi Female
Pin 1: Chassis
Pin 2: Hot (+VE)
Pin 3: Cold (-VE)
Input Impedance: Variable
220, 1k2 and 2k8 ohms
Maximum Input Level: +22dBu

Line Output (Insert Send):
8 Channel DB25 Connector
Balanced (Female)
Wired as Tascam Format
Output Impedance: <100 ohms
Maximum Output Level: +27.5dBu

Line Input:
1/4" Combi Jack
Tip: Hot (+VE)
Ring: Cold (-VE)
Sleeve: Shield (Chassis)
Input Impedance: >6k ohms
Maximum Input Level: +32dBu

Instrument D.I Input:
1/4" TS Jack
Tip: Hot (+VE)
Sleeve: Shield (Chassis)
Input Impedance: 1Meg ohms
Maximum Input Level: +16dBu
THD @ 0dBu: <0.03%

ADC Line Input (Insert Return):
8 Channel DB25 Connector
Balanced (Female)
Wired as Tascam Format
Input Impedance: >10k ohms
Maximum Input Level: +18dBu
Digital Reference Level: +18dBu = 0dBFS
THD+N @ -1dBFS: <0.002%
Dynamic Range: 115dB

AES / S/PDIF Output:
DB9 Female: see pinout below
8-Channels at up to 96kHz
Switchable AES and S/PDIF modes

BNC Wordclock Input:
Switchable 75 ohm Termination

ADAT Optical Outputs:
Port 1: 8 channels <48kHz

SMUX:
Port 1: Channels 1-4 at >48kHz
Port 2: Channels 5-8 at >48kHz

Digital DB9 Pinout

Analogue DB25 Pinout

XLR

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Knowledge Base

Search

ASP880

, Zendesk,

( )

SAMPLE RATE ;

BNC   BNC wordclock
ASP880.

, ASP880   SAMPLE RATE

Audient Help Desk
home   knowledge base   submit a request   check your existing requests

Submit a request

Your email address *

Product *

Serial Number
To help us quickly identify your unit please enter the serial number. It can be found on the back of most units, or the side of ASP008.

Subject *

Description *
Please enter the details of your request. A member of our support staff will respond as soon as possible.

23,

:

(.   )   (   ):
                                                                                          (AES   AES-17)
                    .   :   -10   +60   (. -10   )
                    .   :   -16   +44   (. -10   )   .   :   +18dBu
                             :   48   . +/-4   .   10   /   .   .   :   0dBFS = +18dBu
.   .:   <-127,5 dBu   :   >10
                             :   >80   100   10   .   :   +/-0,5   10   Fs/2
.   :   +22dBu (+32dBu   .)   :   < -80 dBu   1   10
                             :   THD+N   -1dBFS (1   ):   <0,002% (-94   )
          Mic LO: 220   .   THD+N   -6dBFS (1   ):   <0,002% (-94   )
          Mic MED: 1200   :   113   .
          Mic HI: 2800   :   115
                    (Z):   >6   .   PEAK: +16dBu (-2dBFS)
                             :   +/-0,5   10   100   SIGNAL: -10dBu (-28dBFS)
                             :   <-90dBu   1   10
THD+N   0 dBu (1   ):   <0,003% (-90,5 dBu)
          .   /   :   >90   /   :
                    :   25   250   ,
                                                    2-   (12   /   )   ADAT 8   SMUX: 44,1 - 96
XLR: 2 (+)/   3 (-) /   1 (   )   S/PDIF   AES 8   :   44,1 - 96
1/4" TS   :   (+),   (-)   (   )   :   .
*   WORDCLOCK: 75   BNC
                                        ,   75

                                        .   :
          JFET DI (1   2):
(   )
                                                                                                                        ,
          DI-   :   -10   +60   (. -10   )
.   :   +16dBu (.), +22dBu   :   90   264   .
                    :   1   .   :   +/-18   , +48   +5   .
.   :   +/-0,5   10   50   :   T1A (1   )
THD+N   0 dBu (1   ):   <0,03% (-70   )   .   :   . 40
          .   /   :   89
1/4" TRS   :   (+)   (   )   :   4

                    (   ):

.   :   +27 dBu
                    :   <100   .

482mm

440mm

321mm

280mm

44,4mm

3mm

ASP880   (12   )

ASP880   ,

Audient Ltd.

-

Audient   Audient Ltd ,

ASP880   ,   (RMA).

RMA

Audient   ,   (

).

ASP880,   .

RMA,

: www.audient.com/support

Audient Ltd
Aspect House
Herriard
Hampshire   Tel: 0044 1256 381944
RG25 2PN
United Kingdom   www.audient.com

A	Amperes
ADAT	Alesis Digital Audio Tape
ADC	Analogue to Digital Converter
AES	Audio Engineering Society - AES Digital Audio Format
ASP	Analogue Signal Processing
DAW	Digital Audio Workstation
DAC	Digital to Analogue Converter
dB	Decibel
dBu	Decibel referenced to 0.775Vrms = 0 dBu
dBFS	Decibel Full Scale
DB9	9-Pin DSUB Connector - Digital AES Format
	If you make it to the top then this automatically becomes the connector for your
	Aston Martin key fob!
DB25	25-Pin DSUB Connector - Analogue Tascam Format
DC	Direct Current
D.I	Direct Injection (Instrument Input)
DoC	Declaration of Conformity
EIN	Equivalent Input Noise
FAQ	Frequently Asked Questions
HPF	High Pass Filter
HV	High Voltage
Hz	Hertz, cycles per second - measurement unit of frequency
i/o	Input / Output
JFET	Junction Field Effect Transistor
LED	Light Emitting Diode
Ohm	Ω, Unit of Resistance
RoHS	Restriction of Hazardous Substances
S/PDIF	Sony Philips Digital Interconnect Format
SMUX	Sample Multiplexing
THD+N	Total Harmonic Distortion + Noise
TRS	Tip Ring Sleeve (1/4" Jack Balanced)
TS	Tip Sleeve (1/4" Jack Unbalanced)
USB	Universal Serial Bus
V	Volts
XLR	Extra Live Return, Extremely Low Resistance,
	Canon X Series, Latching, Resilient Rubber Compound... or make up your own!
Z	Ohms, Ω, Input Impedance - can be varied by adjusting Z switch

asp
880

1.3
2014

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youtube.com/audienthampshire

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