

INPUT SENSITIVITY ADJUSTMENT

The 1001dx offers five (5) input gain settings. The adjustment runs in 10 dB steps from -20 dB to + 20 dB. This wide range of adjustment allows the 1001dx to accept input voltages from 100 mV to 7 V. Adjustment is made by installing a jumper across the associated input voltage/pin location. Refer to the illustration on the reverse side of this document prior to setting the input sensitivity.

CROSSOVER MODES OF OPERATION

The 1001dx is equipped with a two-way electronic crossover. The Lowpass function of the crossover is dedicated to the amplifier (1001dx) and the Hipass function of the crossover is available at the on-board RCA line outputs.

The jumper labeled *Lowpass Slope Select* allows either 12 or 24 dB per octave slopes to be selected for the Lowpass function of the 1001dx.

The *Line Out Mode Select* jumper controls the function of the on-board RCA line outputs and offers two (2) modes of operation: Bypass and HiPass.

The *Hipass Slope Select* jumper provides independent 12 or 24 dB per octave slope selection for the Hipass function available at the RCA Line Outputs.

The High and Low Pass frequencies are determined by the Frequency Modules (SIPs) installed in the three (3) SIP sockets pictured on the reverse side of this document. One SIP determines the Lowpass frequency, while two (2) SIPs determine the Hipass frequency. Each frequency setting is independent and may be changed to suit your needs.

CROSSOVER FREQUENCY MODULES

The following is a chart of Xtant's available frequency modules. The frequency module (SIP) "ID Code" printed on the SIP and the associated frequency value is detailed below.

| SIP Number | Frequency |
|------------|-----------|
| 2 2 4 | 5 0 H z |
| 1 3 4 | 7 0 H z |
| 1 1 4 | 8 0 H z |
| 1 0 4 | 9 0 H z |
| 6 8 3 | 1 2 0 H z |
| 5 6 3 | 1 5 0 H z |
| 2 7 3 | 3 0 0 H z |
| 1 5 3 | 5 0 0 H z |
| 1 0 3 | 7 0 0 H z |
| 7 5 2 | 1 k H z |
| 2 4 2 | 3 k H z |
| 1 8 2 | 4 k H z |
| 1 5 2 | 5 k H z |

The 1001dx is shipped from the factory with 90 Hz HiPass and LowPass frequency modules (SIP) installed. To change a frequency module, simply remove the resistor SIP and replace it with the appropriate SIP value to achieve the desired frequency.



INSTALLER'S REFERENCE LOG

• DATE INSTALLED: _____

• OWNERS NAME: _____ PHONE: _____

• ADDRESS: _____

• CITY/ STATE: _____ ZIP: _____

• VEHICLE: _____ YEAR: _____

• XTANT AMPLIFIER: MODEL _____ SERIAL# _____

CROSSOVER SETTINGS: JUMPER SETTINGS:

LOWPASS FREQ: _____ SLOPE: 12 dB 24 dB

VALUE CODE: _____ PHASE: NORMAL INVERT

HIPASS FREQ: _____ RCA OUTPUTS (CIRCLE SETTING)


VALUE CODE: _____ BYPASS HIPASS

SLOPE: 12 dB 24 dB

INPUT SENSITIVITY JUMPER (CIRCLE SETTING)

-20 dB (x.1) -10 dB (x.3) 0 dB (x1) +10 dB (x3) +20 dB (x10)

OUTPUT GAIN ADJUSTMENT (DRAW ARROW POSITION)



| | | |
|-------|-----|----|
| PQM-1 | YES | NO |
| LFO45 | YES | NO |
| BLM-1 | YES | NO |

SYSTEM COMPONENTS

SOURCE _____ SERIAL # _____

PROCESSOR(S) _____ SERIAL # _____

_____ SERIAL # _____

AMPLIFIER(S) _____ SERIAL # _____

_____ SERIAL # _____

_____ SERIAL # _____

xtant technologies

INSTALLER'S REFERENCE

THIS DOCUMENT HAS BEEN CRAFTED TO MAKE INSTALLATION, SYSTEM DESIGN AND TROUBLE-SHOOTING, A QUICK AND EASY PROCESS. THE CHARTS PROVIDED, OFFER A SIMPLE METHOD OF DOCUMENTATION.

IT IS IMPORTANT THAT YOU RETAIN THIS LOG FOR YOUR RECORDS. ON PAGE 12 OF THE OWNER'S MANUAL, YOU WILL FIND THE OWNER'S REFERENCE LOG. ONCE YOU HAVE NOTATED THE FINAL SETTINGS FOR THIS 1001DX, TRANSFER THOSE SETTINGS TO THE OWNER'S REFERENCE LOG. IN THE FUTURE, ANY SYSTEM EXPANSION AND/ OR PROBLEMS MAY BE REFERENCED TO THIS LOG.

INSTALLATION SEQUENCE

- **REMOVE AMPLIFIER COVER:**
Loosen allen head screws and lift-off cover. Do not remove protective covering on stainless steel lid until installation is complete.
- **TEMPORARILY MOUNT AMPLIFIER:**
The amplifier is designed to be anchored through the four (4) holes located on the circuit board/base assembly.
- **MARK WIRES FOR TERMINATION AND REMOVE 1001DX:**
Determine wire lengths for Power, Ground, Remote, & speaker cables. Mark for cutting/termination. Remove 1001dx before cutting and terminating all wires. **CAUTION: stripping wires over the circuit board may cause product failure.**
- **CROSSOVER SET-UP:**
Adjust crossover mode jumpers at your work bench. Also, change crossover frequency SIP's if desired.

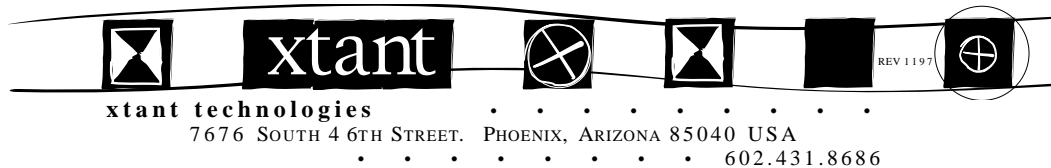
INPUT SENSITIVITY:
Make initial adjustment to input gain at your work bench. To increase input gain, place jumper in the +20 dB position. To decrease input gain, place jumper in the 0, -10, or -20 dB position.

MOUNT THE AMPLIFIER AND MAKE ALL CONNECTIONS:
Install the amplifier and make all wire connections. i.e.:Speaker, Power, Remote, Ground, and RCA input.

DOUBLE CHECK ALL CONNECTIONS! TURN ON AMPLIFIER.
Check red LED, it should be on.

ADJUST AMPLIFIER OUTPUT GAIN POT.

AFTER FINE TUNING THE SYSTEM:
Remove protective covering from amplifier and clean per the maintenance section on page 9 of the Owner's Manual. Attach cover to base.



INSTALLERS REFERENCE

XTANT 1001dx

