FCC Statements

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

2. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

   · Reorient or relocate the receiving antenna.
   · Increase the separation between the equipment and receiver.
   · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
   · Consult the dealer or an experienced radio/TV technician for help.

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1405-10153

w w w . A c o u s t i c A m p l i f i c a t i o n . c o m
IMPORTANT SAFETY INSTRUCTIONS

DANGER
Exposition à des niveaux de bruit élevés peut provoquer une perte permanente de l'audition. Chaque organe humain reçoit différemment quant à la perte de l'audition, mais quasiment tout le monde subit une diminution de l'acuité auditive lors d'une exposition suffisamment longue au bruit intense. Les autorités compétentes en réglementation de bruit ont défini les expositions tolérées aux niveaux de bruit:

<table>
<thead>
<tr>
<th>DURATION PER DAY (HOURS)</th>
<th>8</th>
<th>6</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUND LEVEL (dB)</td>
<td>90</td>
<td>93</td>
<td>95</td>
<td>97</td>
<td>100</td>
<td>103</td>
</tr>
</tbody>
</table>

Selon les autorités, toute exposition dans les limites citées ci-dessus, peut provoquer des pertes d'audition.

1. Lisez ces instructions.
2. Conservez ces instructions.
3. Respectez tous les avertissements.
4. Suivez toutes les instructions.
5. N'utilisez pas cet appareil près de l'eau.
7. Ne bloquez pas les ouvertures de ventilation. Installez-les conformément aux instructions du fabricant.
8. Ne les installez pas près de sources de chaleur telles que des radiateurs, des ouvertures, des conduits d'aération ou d'autres appareils générant de la chaleur.
9. Ne couvrez pas le dispositif de sécurité de la fiche polarisée ou masque. Une fiche polarisée possède deux lames dont une plus large que l'autre. Une fiche de terre a deux lames et une troisième broche de masse. La large lave ou la troisième broche sont fournies pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, consultez un électricien pour le remplacement de la prise obsolete.
10. Protégez le cordon d'alimentation pour qu'il ne soit pas piétiné ou pincé, en particulier au niveau des fiches, des prises de courant et du point de sortie de l'appareil.
11. Utilisez uniquement les fixations / accessoires spécifiés par le fabricant.
12. Utilisez uniquement avec le chariot, le support de table spécifiés par le fabricant, ou vendus avec l'appareil. Lorsque vous utilisez un chariot, soyez prudent(e) lorsque vous déplacez le chariot / l'appareil pour éviter des blessures dues à un renversement.
13. Ne débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes de temps.
14. Conflitez toute réparation à un personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon que ce soit, comme par exemple si le cordon d'alimentation ou la fiche sont endommagés, du liquide a été renversé ou des objets ont tombé dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
15. Pour toutes interventions techniques s'adresser à un technicien qualifié. L'intervention technique est nécessaire lorsque l'appareil a été endommagé de quelque façon que ce soit, par exemple si le cordon secteur ou sa fiche sont déformées ou s'il a été soumis à des liquides ou aux objets sont tombés à l'intérieur de l'appareil ou s'il a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
16. ATTENTION: Pour réduire le risque d'incendie ou de choc électrique ne pas poser l'appareil à la pluie ou à l'humidité.
17. Quand les MAINS, au coupleur pour le cordon est utilisé pour la source d'alimentation électrique, il est conseillé de garder cette prise facilement accessible.
18. Formez de terre de protection: L'appareil doit être connecté à un connecteur AC principale avec un raccordement à la terre de protection.

ATTENTION 
AVERTISSEMENT: CE SYMBOLE APOUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE DE VOLTAGGE DANGEREUX NON-ISOLE A L'INTERIEUR DE CE PRODUIT QUI PEUT ETRE DE PUISSANCE SUFFISAMANT IMPORTANT POUR PROVOQUER UN CHOCE ELECTRIQUE AUX PERSONNES

APPARATUR SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUR.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
WHAT SETS THE A1000 APART

The A1000 from Acoustic® represents a paradigm shift in acoustic instrument amplification. Designed to sound great for acoustic guitars, other acoustic instruments, and vocals, it also has been engineered to provide extreme portability, due to the incorporation of a Class-D power section and neodymium speakers, resulting in 30-40% less weight than traditional amplifiers.

We put a lot of thought and effort into selecting exactly the right components and designing a product that will be easy to adjust so you can quickly find the voice of your instrument and project it beyond your personal performance space. Here are a few of the features that we put into the A1000 to make sure your sound is great, and portable –

- 2 X 50 watt stereo output for true stereo sound; more than enough power for most venues
- Two 8” NEODYMIUM coaxial design studio monitor-style speakers for extended frequency response and true stereo imaging
- Two discreet channels, each featuring dual combo XLR-1/4” inputs for use with instruments or vocals
- 3-Band EQ with sweepable mid-range on each channel so you can dial in the perfect sound
- Full-function digital effects with editable parameters and LCD readout for EACH CHANNEL!
- Auxiliary Bluetooth® connectivity; play backing tracks directly from your mobile device!
- DSP-based AUTOMATIC feedback elimination
- Effects Loop
- Two full-feature direct outputs (L/R channels) with ground lift, pre/post EQ and level
  – Connect each DI output to powered speakers to send a true stereo signal to your front of house PA!

No matter what your style of playing or choice of acoustic instrument, you will find that your A1000 will capture and project the very best of your musical voice.
SPECIFICATIONS

Power: 2 X 50W RMS
Equalizer:
  · Low ±15dB @ 80 Hz
  · Med ±15dB: 500Hz to 12kHz (sweepable)
  · High ±15dB @ 10kHz
Channels: 2
Inputs: 4 (2 per channel)
Digital Signal Processors (DSP): 2
  · 20 Preset programs
  · 20 User programs
  · Reverb, Delay, Chorus, & Flange
  · Auto-Feedback Elimination Filter (12 filters, DSP based)

Speaker: Two 8” Coaxial Studio Monitor Style with Neodymium Magnets
Dimensions: 21.7”L x 20.9”H x 16.1”D
Weight: 41.9 lbs.

TAKING CARE OF YOUR NEW AMPLIFIER

LOCATION
· To avoid deformation, discoloration, or more serious damage, do not expose the unit to direct sunlight, high temperature sources, or excessive humidity.

POWER SUPPLY
· Turn the power switch off when the A1000 is not in use.
· The AC cable should be unplugged from the AC outlet if the A1000 will not be used for an extended period of time.
· Avoid plugging the AC cable into an AC outlet that is also powering high consumption appliances such as electric heaters or televisions.
  Also avoid using multi-plug adapters since these can reduce sound quality, cause operation errors, and result in possible damage.
· To avoid damage, turn off the A1000 power switch and all related devices prior to connecting or disconnecting cables.

HANDLING AND TRANSPORT
· Never apply excessive force to any parts.
· Unplug cables by gripping plugs firmly. Do not pull on cables.
· Physical shocks caused by dropping or bumping can result in serious damage.

CLEANING
· Clean with a dry, soft cloth.
· A slightly damp cloth may be used to remove stubborn grime and dirt.
· Never use cleaners such as alcohol or thinner.

ELECTRICAL INTERFERENCE
· The A1000 contains electronic circuitry that may cause interference if placed too close to radio or television receivers. If this occurs, move the A1000 further away from the affected equipment.

SERVICE AND MODIFICATION
· There are no user serviceable parts in the A1000.
· Do not attempt to open the A1000 or make any change to circuits or parts. This will void the warranty.
FRONT PANEL

1. **INPUTS** - combination ¼” (2-conductor instrument cable) or XLR (3 or 4-conductor microphone)

2. **PHANTOM POWER (+48V)** - this switch enables a +48 volt DC send on PIN 1 of an XLR cable to power condenser microphones.

3. **VOLUME CONTROLS** - these adjust the overall loudness of the corresponding input. If your acoustic instrument has a preamp, you should set the Volume control on your instrument to about half volume. You can then adjust the amplifier volume to your normal playing level and still have room to increase or decrease your volume as needed from the instrument.

4. **EQUALIZATION**
   - **Low** - set to boost (+15 dB) or cut (-15 dB) frequencies at 80 Hz. Controls the lowest fundamental frequencies to enhance the warmth and deep, full tones of your acoustic instrument.
   - **Midrange** - set to boost (+15 dB) or cut (-15 dB) adjustable from 500 Hz to 1.2 kHz. Allows you to control the definition and voice of your acoustic instrument.
     1. **Frequency** - this adjusts the center frequency for the Midrange EQ control above: you can sweep between 500Hz and 1.2kHz. Moving the midrange frequency and either cutting or boosting this frequency will give you maximum control over the body of your tone. It also allows you to control the definition and voice of your acoustic instrument or vocals.
   - **High** - set to boost (+15 dB) or cut (-15 dB) frequencies at 10 kHz. Increasing this will enhance the clarity and brightness of your acoustic instrument.

5. **DIGITAL EFFECTS** -
   - UP/DOWN soft buttons scroll between programs, select effect types or parameter values
   - Press UP/DOWN buttons together to activate the tuner. Press any button to exit.
   - SELECT button scrolls through individual effects within a program
   - ON/OFF button turns an individual effect on or off within a program
   - PARAM (parameter) button pages through the parameters of an effect
     - UP/DOWN buttons change the parameter value

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SAVE button saves a program to one of 20 user-definable locations

- UP/DOWN buttons select memory slots (U01 through U20)
- Press SAVE a 2nd time to move to title (edit as you like)
- Press SAVE to save your user program
- Press SELECT or ON/OFF to exit out to the preset screen

In addition to the amazing digital effects, the A40 utilizes a DSP-based AUTOMATIC feedback elimination (AFB) filter. This digital processor scans your input for any unwanted feedback, and will eliminate it. The A40’s 12 digital filters remove virtually any feedback from your signal path! The AFB filter settings can be adjusted in any DSP program and will be applied to all program settings.

6. AUX LEVEL – this controls the input level of the Aux in (#8).

7. MASTER VOLUME – this controls the overall stage volume of the amplifier. Changing this level control will not affect the line out levels on the back of the amplifier, and thus will not change your signal sent to a live or recording mixing console.

8. AUX IN – this 3-conductor 1/8” Aux input jack will allow you to plug in a CD, MP3 player or any other source so you can play along. To control the volume of this input, adjust the output volume of the device.

9. BLUETOOTH® – this switch activates the BLUETOOTH® auxiliary input: press and hold this switch for 3 seconds, then tether your mobile or aux device using the passcode (1967) to allow audio playback. The indicator light will let you know when the Bluetooth® is engaged.

10. HEADPHONE – this 1/8” 3-conductor jack is for plugging in headphones. When used, it will disconnect the internal speaker.

11. POWER – this indicator light will illuminate when the rear panel power switch is depressed.

<table>
<thead>
<tr>
<th>DSP PROGRAM PRESETS</th>
<th>EDITABLE PARAMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
<td>TITLE</td>
</tr>
<tr>
<td>1</td>
<td>Dry No EFX</td>
</tr>
<tr>
<td>2</td>
<td>Short Room</td>
</tr>
<tr>
<td>3</td>
<td>Small Room</td>
</tr>
<tr>
<td>4</td>
<td>Medium Room</td>
</tr>
<tr>
<td>5</td>
<td>Large Room</td>
</tr>
<tr>
<td>6</td>
<td>Small Hall</td>
</tr>
<tr>
<td>7</td>
<td>Medium Hall</td>
</tr>
<tr>
<td>8</td>
<td>Large Hall</td>
</tr>
<tr>
<td>9</td>
<td>Church</td>
</tr>
<tr>
<td>10</td>
<td>Slow Chorus</td>
</tr>
<tr>
<td>11</td>
<td>Lush Chorus</td>
</tr>
<tr>
<td>12</td>
<td>Flange</td>
</tr>
<tr>
<td>13</td>
<td>Phaser</td>
</tr>
<tr>
<td>14</td>
<td>Slap Back</td>
</tr>
<tr>
<td>15</td>
<td>Med Delay</td>
</tr>
<tr>
<td>16</td>
<td>Long Delay</td>
</tr>
<tr>
<td>17</td>
<td>Chorus Verb</td>
</tr>
<tr>
<td>18</td>
<td>Lush Verb</td>
</tr>
<tr>
<td>19</td>
<td>Crazy Multi</td>
</tr>
<tr>
<td>20</td>
<td>Vocal Multi</td>
</tr>
</tbody>
</table>

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1. **POWER** - this rocker switch will illuminate with a soft amber color when the amp is turned on and ready to play.
   A. **AC LINE IN** - this plug accept a standard CLASS 1 IEC grounded cable (included) to provide AC power to the amplifier.
   B. **VOLTAGE SELECTOR** - used to select the input voltage level to 110/115V or 220/230V. Voltage standards vary by country. This switch is preset at the factory. Setting the power supply voltage switch to the incorrect input voltage could damage the power supply and possibly other parts of your equipment.

2. **DIRECT OUTPUT**
   A. **PRE/POST EQ Switch** - This switch determines if your direct output signal will be effected by the front panel equalization settings. In the PRE setting, the direct signal is not affected by the front panel settings; in POST setting, the direct signal is effected by the EQ settings.
   B. **DIRECT OUTPUT LEVEL** - this adjusts the overall level of the direct output.
   C. **DIRECT OUTPUT** - connect a standard XLR balanced cable from this jack to provide a line-level signal to your PA system, powered speaker, or other powered output device.
   D. **GROUND LIFT** - this switch disconnects pin 1 on the XLR jack, which is connected to the shield in the cable and acts as the ground point of the circuit, reducing ground-related noise.

3. **EFFECTS LOOP** - these ¼" unbalanced send and returns allow you to run external effects before the preamp, resulting in clearer effects signal, and cleaner levels (line level vs. instrument level). Connect the Send to your effect devices input, and the output from your device to the return. Use the LEFT return for MONO effects. Connect the Send to your effect devices input, and the output from your device to the return.