1.01 Minstrel *Lite* Control Console:

A.   The control console shall consist of, but not be limited to the following:

1.   The Lite Control Console shall be a microprocessor-based controller specifically designed for the live performance market. The Console shall be modular by design and have the capacity to address control channels in groups of **12**, **24**, **36, 48** or **60** channels in a two scene preset configuration. The standard communication protocol shall be USITT DMX-512 and Analog 0-10 VDC at 5mA.

2.   The Lite Console shall be housed in a heavy duty aluminum enclosure substantially framed for portable use with a sloped front control surface clearly marked for operation. All identifications shall be silk-screened for high contract low light-level viewing. All control connectors integrated into the chassis shall be of locking type to insure proper operation.

3.   The Lite Console program shall be secured in a non-volatile read only memory. The program operation shall not be dependent upon any peripheral device for operation. A ten-year lithium battery shall protect recorded memory.

4.   The Lite Console shall provide, but not be limited to the following as standard features:
   a.   Channel Faders: Individual slider controls arranged in two rows of **12**, **24**, **36,48** or **60**with individual control for manual intensity selection.
   b.   Bump Buttons: Assigned to individual channel and submaster controllers for instant output when touched. Solo, On and Off output is selected and controlled by the bump mode selector and intensity fader. LED status indicators mimic the assigned channel output level.
   c.   Split Dipless Crossfaders: Allows operator control of the two manual preset scenes with separate fader and time controls for each scene. An LED array shall indicate the status of the fader at all times.
   d.   Grand Master and Blackout Switch: All channel, submaster, effect and fader outputs shall be assigned and proportionally controlled by this potentiometer and switch.
   e.   Submasters: Overlapping pile-on Submasters with bump buttons for individual control of recorded outputs. Up to 3 pages of individual submaster outputs can be recorded in the submaster memories.
   f.   Effect Controls: Allow access to special chase effects. Step/Hold key accesses step mode while order of bump button input determines the order of the steps. Individual rate and level controls allows variable playback options.   Effects direction offers forward, reverse and bounce options.
   g.   Patch: Assign up to 192 DMX addresses to the individual sliders.
   h.   Program Key: Allows access to record functions for submaster and effects memories.
   i.   Power Indicator: Confirms power is connected and switched On for operation.

5.   The Lite Console shall provide, but not be limited to the following operating functions:
   a.   The level setting capacity shall be accessed through the linear potentiometers available on the channel sliders.
   b.   The channel playback capacity shall be accessed through the timed Cross Faders which shall execute the individual levels set on the channel modules.
   c.   The Submaster capacity shall be accessed through the Program key. Any fader output can be captured for storage on the Submaster by selecting the submaster page and number for the record and by pressing and holding the Program Key and pressing the bump button under the Submaster to be recorded.
   d.   The Effects capacity shall be accessed by pressing the Program key to access the effect. Select the output to be included in the effect step. Capture the step by pressing the Step/Hold key. Each successive step is created in this method. Up to 48 steps shall be available for each Effect. The direction, level and rate of the Effect may be altered at any time. Effects interact with memories on a highest take precedence basis.

6.   The Lite Console shall house an integral power supply, which shall regulate power within plus or minus 1% of incoming line voltage between 105 and 125 VAC. The console shall have the capacity to operate on 120 VAC, 60 Hz. or 240 VAC, 50 Hz. The power consumption shall not be greater than 1 amp.

7.   The Lite Console shall be as manufactured by Electronics Diversified, Inc., Hillsboro, OR USA 97124.