

# ***Sunadavinodini***

## ***Electronic Veena***

### **INSTRUCTION MANUAL**

#### **INTRODUCTION**

Congratulations! You are the proud owner of a quality product - the electronic veena 'Sunadavinodini'.

**The electronic veena, 'Sunadavinodini'** is a completely self-contained, portable veena that can be assembled or dismantled in seconds.

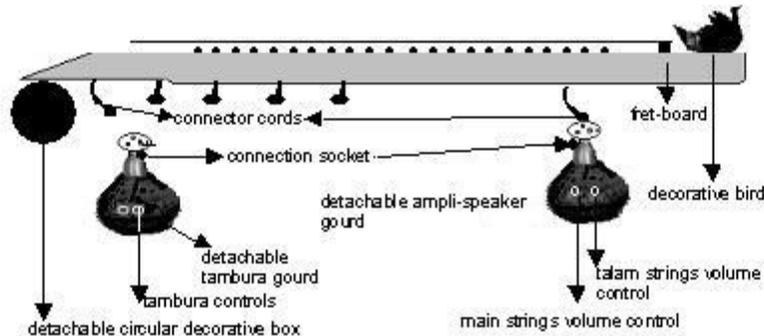
The features of the electronic veena 'Sunadavinodini' are:

1. Enhanced volume, with the amplifier and speaker built into one of the gourds
2. Authentic sweet veena sound
3. Adjustable volume
4. Increased sustenance of notes; thus long passages can be played with fewer plucks
5. Adjustable frets on a wooden fret board, eliminating the more delicate wax fret board
6. Frets can be adjusted easily by the user
7. Imported Guitar keys for easy tuning
8. Built-in electronic tambura for sruti
9. Complete portability, as the sound box of the veena is dispensed with, and replaced by a plank of wood. Easy assembly / disassembly
10. Battery back-up in case of AC Mains power failure.

With the Sunadavinodini electronic veena, the vainika can easily carry the instrument anywhere, assemble it in seconds, and enjoy the music that he / she creates with the enhanced possibilities provided.

#### **ASSEMBLY OF THE SUNADAVINODINI:**

The Instrument consists of a fret-board, two detachable gourds ('sorekkai' or 'burude'), an optional detachable decorative bird and a detachable circular decorative box for storing the finger clips and oil box.



#### **OPERATING INSTRUCTIONS**

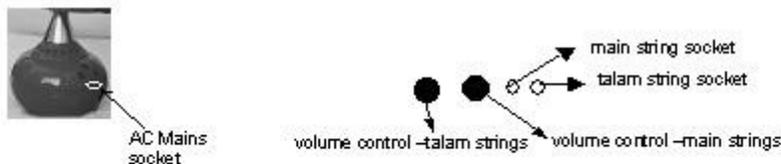
The Sunadavinodini electronic veena can be used at any voltage from 90V – 260V AC without using any voltage selector switch.

**ASSEMBLY OF VEENA:** Connect the two jacks provided below the fretboard to the sockets seen on the upper metal portion of the two gourds respectively. Fix the detachable gourds to the fret-boards by inserting the three screws on the bottom of the fret-board into the keyholes on the top of the gourd bracket, with the volume control facing you in the ampli-speaker gourd, and the tambura controls facing you in the tambura gourd. Twist the gourds into place just like fixing a light bulb into its socket. Tighten the small locking screw provided below the fixing bracket of the gourd, to prevent the gourd from detaching accidentally.

Fix the decorative round box to the tail of the veena and (optional) decorative bird on the other end of the veena, with its respective screw.

Connect the veena to the ampli-speaker gourd with the two connecting cords provided, for the main strings and taala strings respectively. One end of each connecting cord fits into its socket under the fret-board. The other end of the cord fits into the respective socket next to the volume control on the ampli-speaker gourd. Connect the mains cord of the ampli-speaker (right side) gourd to the mains socket on the veena to the mains power supply. Switch ON the ampli-speaker gourd and adjust the volume and tone to your requirement.

Switch ON the tambura on the left side gourd, and adjust the volume. Tune to the sruti required using the ▲ and ▼ keys.



Fine-tune pitch if required by pressing 'MODE' and then ▲ and ▼ keys. Use PA / MA / NI selection if required. Adjust and tune the veena strings to this sruti, using the guitar keys provided. These keys perform both coarse and fine-tuning.

Switch off both gourds after use. Disconnect power cord. Carefully detach the connectors on both gourds from the fretboard. To disassemble, remove the decorative pieces, then unscrew the locking screws on each gourd. Twist and remove.

**USING ON BATTERY: Recommended: Rechargeable Exide 12V battery no. EP 7-12 ( battery not included).** In case of AC Mains power failure, remove the AC Mains cord and connect the battery cord provided to the socket marked 'BAT'. Connect the other end of the cord to a 12V battery pack, ENSURING THAT THE RED LEAD IS CONNECTED TO THE POSITIVE TERMINAL AND THE BLACK LEAD IS CONNECTED TO THE NEGATIVE TERMINAL OF THE BATTERY.  
MAINTENANCE AND ADJUSTMENT

1. Changing strings: Use only good quality magnetic ('Electro') strings to ensure that all the strings are picked up evenly. The 'Sunadavinodini' uses strings with a metal bead looped at one end. Hence use only strings specially made for the Sunadavinodini.

Insert the free end of the string through the hole on the bridge and pull it right up to the tuning keys at the tail of the veena. Insert the end of the string into the hole on the tuning shaft. Cut off excess length of the string so that only about three or four turns of the string are coiled around the tuning rod. Turn the tuning key so that the wire coils around the rod from the top.

Use the correct gauge of wire for each string depending on the pitch.

2. Adjustment of frets: All the frets are adjustable and can be moved to any position along the fret-board. Use a No.7 spanner (supplied with the instrument) to slightly loosen the nuts below each end of the fret. Move the fret to any position and check for the correctness of the note. After ascertaining the correct position, tighten the nuts on both ends of the fret without changing its position. CAUTION: Do not apply excessive force on the nuts as this is likely to damage the threads of the fret.

#### WARRANTY

Like all Radel products, the Sunadavinodini carries a warranty of 3 years from the date of sale. (Loudspeakers and power cords carry a warranty of 12 months). This warranty is subject to the standard terms and conditions of the manufacturer. All users are advised to ensure that the warranty counterfoils attached to this manual are returned to Radel Electronics Pvt. Ltd. within 15 days of purchase. In case of any problems, users are advised to contact the manufacturers without any delay giving details of the problem, date of purchase, dealer's name and purchase document reference.

The manufacturers invite users to feel free to send any feedback, suggestions and special requirements regarding the product to them.

This Radel product is supplied with the following free accessories:

- a) Power cord, (b) User Manual, (c) Carry case (d) spare set of strings (e) spare frets (2 nos) (f) spanner (g) battery cord (h) connection cord pair (g) spare knurling screws -2 pcs

**For a video demonstration of all features of the Sunadavinodini, go to this link:**

[http://www.youtube.com/view\\_play\\_list?p=9B2974ADDC7AE55A](http://www.youtube.com/view_play_list?p=9B2974ADDC7AE55A)

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