

# RADEL MIRAJ PLUS DIGITAL TANPURA

## USER MANUAL

### INTRODUCTION

Congratulations! You are the proud owner of a Radel quality product - the MIRAJ PLUS- digital tambura / tanpura. Radel products are renowned for their excellent tonal quality as well as their reliability. The latest state-of-the-art technology is used in the design as well as manufacture of the products. Being the inventor of these products and pioneer in the field of electronic musical instruments for Indian music, Radel keeps on improving the existing models and introducing new products. Radel is an ISO 9001:2015 company. Hence, the name Radel assures you of excellent quality, and, although you may never need it, dedicated after-sales service.

### GENERAL INFORMATION

The MIRAJ PLUS- digital tambura / tanpura is a sophisticated musical instrument for providing sruti (sur) accompaniment to performers of music. It incorporates the latest state-of-the-art technology, with natural tambura / tanpura sound. It can be tuned to any pitch over a range of more than one octave thus enabling it to be used by men or women as well as instrumentalists. It is housed in an attractive, unbreakable, light weight (Size: 230mmX135mmX190mm; weight; approx.1 kg) and safe ABS plastic cabinet. It can be directly operated on any voltage from 90V -260V AC or on a set of batteries (uses six'AA' size batteries of 1.5V each). It automatically switches - over to batteries (DC) on failure of mains power (AC). A line out socket of (1/8" each) is provided.

### SPECIAL FEATURES OF MIRAJ PLUS TANPURA:

- Hi-Fidelity Realistic Tanpura/Tambura sound.
- Can be used as 4/5/6 strings tambura/tanpura.
- Digital Display on LCD screen of pitch, tempo, volume, tone, memory, pluck, sustain.
- Pluck and Sustain controls are provided for complete customised sound to your taste.
- Tunable NI (nishad).
- 10 memories to save user settings of pitch, tone, etc

### CAUTION:

1. Provide a gap of at least 10 seconds between switching OFF and ON the product.
2. Avoid using the product close to other electronic equipment such as mobile / cordless phones, pagers etc.

**OPERATION:** Insert the mains cord provided, into the socket at the rear of the instrument. Plug the mains cord into a standard wall outlet. Switch ON the product by pressing power button.

Note: It has SMPS facility due to which it can be operated directly on any voltage from 90V-260V AC.

**VOLUME (VOL)/TONE:** To adjust the volume press VOL/TONE button to select volume. The selection can be seen on the LCD display. Press ▲ or ▼ button either step by step or continuously to increase or decrease the volume. To mute the Volume press ▲ and ▼ buttons simultaneously (together) and to unmute again press ▲ and ▼ buttons simultaneously (together).

To get bass/treble sound, 'TONE' adjustment is provided. Press VOL/TONE button to select tone, the selection can be seen on the LCD display. Tone can be altered by pressing the ▲ or ▼ button step by step or continuously.

**PITCH SELECTION:** To change the pitch, press PITCH/TEMPO button to select pitch. Press ▲ or ▼ button continuously to change the pitch to any standard setting in steps of half-notes such as C, C#.

**FINE TUNING PITCH:** Press ▲ or ▼ button step by step to fine tune the standard pitch settings. The selection can be seen on the LCD display. Please refer to the pitch reference chart at the bottom of the product for pitch references in the Indian systems.

**TEMPO SETTING:** To change the tempo, press PITCH/TEMPO button to select pitch. The selection can be seen on the LCD display. Press ▲ or ▼ button step by step or continuously to alter the tempo.

**PLUCK STYLES:** Two pluck styles are provided in the instrument. One style has a pause after PA note and constitutes a cycle of six counts. This style is popular among the South Indian musicians. The other style does not have the pause after PA and this style is popular among the North Indian musicians. To change the style to the alternate one, press ▲ and ▼ buttons simultaneously (together). Carnatic style will be shown as 'CARNATIC' on the display and Hindustani style will be shown as 'HINDUSTANI' for few seconds.

**PANCHAM, MADHYAM OR NISHAD SELECTIONS:** Press the PA MA/NI button repeatedly to change the panchamam note to MA or NI or OFF. The selections can be seen on the LCD display.

**'NI' FINE TUNE:** Select 'NI' mode. Press ▲ or ▼ button to fine-tune Ni note. The tuned 'NI' will be retained for all the pitches when pitch is changed.

**AUTO SAVE MEMORY(ASM):** The current selections / settings like pitch, tempo, pluck style, etc., are automatically saved into memory within seconds after the last button-press. If there is an interruption in AC mains power or if the instrument is switched off, then on switching on the instrument again, these settings will automatically be restored. Thus, the user need not worry about losing the selected pitch and other settings, etc.

**TEN MEMORY SETTING:** In addition to the above, ten sets of pitch, tempo etc can be saved by the user. That is, ten different users can use the MIRAJ PLUS with their separate individual settings stored in memory. Once stored, all that the users have to do is to "RECALL" the particular settings with one touch of the button. Select one set of pitch, tempo, pluck etc. Press MEM button. The display shows 'MEM 01'. Press STORE (A) to save the settings.

The display will show MEMORY 'STORED'. Likewise, select another set of pitch etc. Press MEM button. The display shows corresponding number. Press STORE to save accordingly.

To "RECALL", press MEM button. The display shows 'MEM 01'. Press RECALL. The first set of selections is recalled. The display will show MEMORY 'RECALLED'. Similarly, press MEM button again to recall other saved settings.

**ADDITIONAL 5TH /6TH NOTE / STRING:** The Miraj Plus can be used as a 4-string, a 5-string or a 6-string tambura / tanpura. To switch on the 5th note/string, press the ON/OFF button of '5th STRING'. A LED will glow to indicate that '5th STRING is ON. User can tune the 5th string/note, as desired, by pressing ▲ or ▼ button continuously. The note selected can also be fine tuned by pressing ▲ or ▼ button step by step. The selections can be seen on LCD display. User can position the 5th note either before or after the pancham by pressing both ▲ and ▼ buttons of pitch simultaneously (together) while the 5th note/string is on.

Similarly to switch on the 6th note/string, press the ON/OFF button of '6th STRING'. A LED will glow to indicate that '6th STRING is ON. User can tune the 6th string/note, as desired, by pressing ▲ or ▼ button continuously. The note selected can also be fine tuned by pressing ▲ or ▼ button step by step. The selections can be seen on LCD display.

**PLUCK/ SUSTAIN CONTROL:** Four pluck controls are provided. To select PLUCK, press SUST/PLUCK button, selection can be seen on the LCD display. To change pluck, press ▲ or ▼ button step by step or continuously.

Five sustain controls are provided. To select SUSTAIN, press SUST/PLUCK button, selection can be seen on the LCD display. To change sustain, press ▲ or ▼ button step by step or continuously.

**USAGE ON BATTERIES:** Miraj Plus operates on six 'AA size batteries. It automatically switches - over to batteries (DC) on failure of mains power (AC).

The product is supplied with the following items free of cost:

1. Power cord
2. Carry case

#### **WARRANTY :**

The SAARANG MIRAJ PLUS digital tambura is guaranteed against manufacturing defects for a period of THREE YEARS from the date of sale. The warranty is valid only if the seal on the instrument is intact.

The likelihood of failure of components is extremely remote. The Saarang is a very rugged and reliable instrument. No periodic servicing is required. The instrument can be operated, stored or transported in any position without affecting its performance.

**CAUTION :** Servicing attempted by untrained technicians may cause damage to the sophisticated components. It is therefore advisable to contact the manufacturers or dealers in case of any problems.

*Note: The manufacturers reserve the right to change, alter or modify the design of the products from time to time effecting a process of continuous development and innovation.*

#### **CONTACT ADDRESS:**

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