TAALMALA DIGI-60 DX DIGITAL TABLA

OPERATION MANUAL

Introduction

Congratulations! You are the proud owner of a Radel quality product - the Taalmala Digi 60 Dx digital tabla. 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 instruments. Being the inventor of these products and the pioneer in the field of electronic musical instruments for Indian music,Radel is constantly improving existing models and introducing new model of instruments. Radel is an ISO 9001:2008 company. Therefore, the name Radel assures you of excellent quality, and, although you may never need it, dedicated after-sales service.

General Information

The new Taalmala Digi 60 Dx is a sophisticated digital tabla instrument catering to the needs of classical vocal artistes enabling them to practise without the assistance of another person to provide the taals.

The product utilizes the latest state-of-the-art microprocessor technology to produce a realistic sound of the tabla.

The product automatically operates on any voltage between 90 V - 260 V AC or a set of six batteries (AA size).

Features:

- 60 thekas in various taals that can be played at any tempo and pitch

- 10 of these can be modified by the user and stored in memory.

- A multi-functional digital display for indicating taal number, matra number, pitch and tempo.

- Digital tuning of pitch with facility for fine tuning within half notes.

- Two settings for Dagga.

- Memory for storing the fine tuned pitch, tempo and bayan setting.

- Two user programmable thekas that can be stored in memory.

- Sync with Radel Sunadamala

Caution :

Provide a gap of at least 10 seconds between switching OFF the instrument and switching it ON again to ensure reliable operation.

Avoid using the instrument close to other electronic equipment such as mobile or cordless phones, pagers, etc.

OPERATING INSTRUCTIONS

Connecting To the Power Outlet and Switch-on:

For operation on AC Mains, insert the Power cord into the AC socket at the rear of the instrument. Plug the power cord into the AC wall socket. Switch the instrument ON by pressing the power button.

The display would indicate '00' which is the selection for 'Teen taal'.

Select the number corresponding to the desired theka. (Refer chart on the instrument). The display would correspondingly indicate the same.

BAYAN : Set the bayan by using ▲ or ▼ button.

VOLUME : To adjust the volume press ▲ or ▼ button either step by step or continuously.

TEMPO: Press ▲ or ▼ button to increase or decrease the tempo. The display would temporarily indicate the tempo in matras per minute (by multiplying by ten). Eg. '14' means 140 matras per minute.

Changing Tempo Range: 4 ranges are provided: Ati-Vilambit, Vilambit, Madhya Laya and Drut. To change from drut to ati-vilambit (fastest to slowest), stop the theka, press ▼ button three times and start the theka. How ever to change from Ati-Vilmbit to Drut press ▲button. While the theka is playing, press ▲ or ▼ button to change the tempo within the range.

Pitch Setting: To change the pitch, press the ALT button once. The display would now indicate the pitch as per the western music scale (C, C# D, etc.). For pitch reference according to Indian music, please refer to chart at the bottom of the instrument. Press the ▲ or ▼ button to change the pitch by half notes. C#,D#. are shown as C., D. Etc.

Pitch Fine Tuning: To obtain any pitch in-between two standard pitch settings, press ALT button again. The display will now start flashing. Press the ▲ or ▼ button either to increase or decrease the pitch in micro steps.

Dagga Gumki Setting: Presing ALT button again will display 'LH'. In this mode, pressing ▲ or ▼button changes the bayan (dagga) setting to a shallow or deep setting. Press ALT again to put the instrument back into the normal display (matra indication)

Memory: Pressing MEM button while the theka is playing causes the current settings of pitch , tempo and bayan to be saved into memory. These settings will be automatically recalled when the instrument is switched ON. The volume bayan settings are auto saved, 5 seconds after they are changed.

Changing Theka: Theka can be changed even when the previous theka is playing by pressing the relevant number followed by START button.

Editing a Theka: The first ten thekas (00 to 09) can be edited by the user and stored in memory. This enables a user to customise a theka to his/her own taste.

1. Select the theka required to be edited. Stop the theka if it is playing

2. Press PGM button and then ▼ button. the display would now indicate 'PE'

3. Press ▼ button and step through the theka bol by bol till the bol to be changed is played. Press the button with the desired bol. To obtain the bol printed in red, press ALT then the corresponding bol

4. If any more bols are to be changed, repeat step 3 mentioned above. Finally, press START button to exit the EDIT MODE. The edited theka would now have replaced the original theka in memory. Press STARTbutton again to play the theka.

5. To cancel the editing and restore the original theka, press PGM and ALT button

Programming a New Theka : Two thekas can be programmed afresh by the user. These are stored in memory till such time that they are overwritten with a fresh theka by the user. These thekas are stored under theka numbers 98 and 99.

1. If any theka is playing, stop it.

2. Press PGM button followed by '1' or '2' to programme the theka under number 98 or 99 respectively. The display would indicate 'P1' or 'P2' as the case may be.

3. Press the sequence of bols marked on the number button. Bols in red, located under the number are available by preceding the key with ALT key. Eg. The sequence below shows selection of the bols Dha, Ge, Na, kita for programming.

4. Press the START button to end the programming.

5. The programmed theka would have automatically got stored in memory.

6. Select taal number 98 or 99 and press START to play the programmed theka.

Playing Taalmala With Sunadamala: The Taalmala digi-60 Dx can be played synchronously (at the same time, with matching beats) with the Sunadamala lehera. Connect the 'SYNC OUT' socket of the Sunadamala with the 'LEHERA IN' socket of the digi-60 Dx'. Select similer taals on both instruments. Select the same pitch on both instruments. Press ALT + START of the digi-60 Dx. Press START of the Sunadamala. Both instruments will play the same taal as a theka and a lehera (tune) together. Tempo of both instruments is controlled by the Sunadamala only. Every time the Sunadamala is stopped, the digi-60 Dx will also stop. To restart in SYNC mode, press ALT + START of digi-60 Dx and then START of the Sunadamala.

Note: The Sunadamala Zx cannot be played in Sync mode for a tempo less than 100.

Connecting to an External Amplifier: A standard 3.5 mm (1/8") line-out socket is provided for connecting to an external amplifier.

Connecting To an External Speaker / Headphone: Connect the digi 60 Dx to an external speaker using the standard 3.5 mm (1/8") socket marked as 'spk out' on the rear of the cabinet when the connection to external speaker system is made, the internal speakers of the digi 60 Dx are disconnected.

Important Hint : If the 'filler' 'bols' provided at lower tempos are not desired, SWITCH ON THE TAALMALA WHILE KEEPING THE 'START' BUTTON PRESSED. To obtain the 'filler' 'bols' again, repeat the procedure.

Battery Operation : The Taalmala Digi 60 Dx operates on six 'AA' size batteries. It automatically switches - over to batteries (DC) on failure of mains power (AC).

Note: The product is provided with the following items free of cost:

1. Power Cord;   2. Carry-Case;   3. Instruction Manual