



FOREWORD

Hellal

You are now a proud owner of the iQube Electric S scooter from the house of TVS Motor Company.

The iQube Electric S is an electric scooter like no other. It gives you the unmatched combination of performance, connected technology and practicality of use. So now you can ride in style and comfort, with all the savings benefits of an electric vehicle.

For getting the best out of your iQube Electric S, please read the manual carefully and understand all features and operations of your vehicle. Follow the instructions and enjoy a smart and convenient experience that comes with your iQube Electric S.

To ensure a worry free journey on your TVS iQube Electric S, we urge you to get your vehicle serviced only at TVS Motor Company Authorized Dealers.

We hope you enjoy every aspect of being a proud owner of TVS iQube Electric S and being a part of our community of smart, next-gen and sustainable riders.

Happy riding!

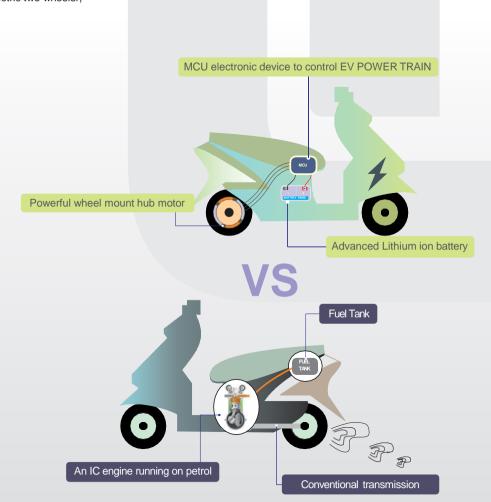
TVS MOTOR COMPANY LIMITED

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INTRODUCTION

One of the finest and modern technology products of TVS Motor is waiting to be unveiled; an electric scooter which is futuristic and contains plenty of features and technological advancements. However, before delving further into this manual, let us first have a glimpse of what your electric two wheeler is and how it is different from an internal combustion engine powered vehicle. The below info-graphic provides a broad idea about an electric two wheeler:



UNIQUE FEATURES OF TVS IQUBE

I CD / TFT INSTRUMENT CLUSTER



Unlike conventional scooters this vehicle is having a digital instrument cluster which ensures brighter display and allows ease of interaction between vehicle and the rider.

RETRACTABLE BAG HOOKS



Your scooter has two retractable Bag Hooks to carry light luggage like carry bags weighing upto 3 kg.

One hook is located below the handle bar on the rear panel and the other one is located on the cover front below the front end of seat Refer page No. 21 for details

TELESCOPIC FRONT FORK



Your Scooter has Motorcycle-like 'Telescopic Front Suspension' for extreme comfort for excellent riding comfort even on bad roads.

ADJUSTABLE REAR SHOCK ABSORBER



Your Scooter comes with Adjustable Shock Absorber, a first-in-the-industry feature. This allows you to adjust the required level of hardness / softness as per the usage requirement with just a push of a lever. Refer page No. 61 for details

TUBELESS TYRES



Another important unique feature in your scooter is 'Tubeless Tyres'. Tubeless tyres reduce the chances of getting punctured. Even if there is a puncture, sudden leakage of air is avoided, thereby providing better safety and convenience. It is also very easy to repair the punctured tyres.

ALL BLACK LARGER ALLOY WHEELS



All 'Black Larger Alloy Wheels' with high mechanical advantage gives progressive braking of your scooter, results in best-in-class 'shortest distance' braking. It also provide superior comfort in bad road conditions.

PARKING BRAKE (BRAKE LOCK LEVER)



'Parking Brake' is another unique safety feature which protects your scooter from falling due to wheel rotation when it is parked with the side stand on a slope. Refer page No. 16 for details.

DISC SYNCHRONISED BRAKE TECHNOLOGY (SBT)



Taking technological innovation to next level, your scooter comes with 'Synchronised Brake Technology (SBT)'. This feature enhances the safety by avoiding skidding during sudden braking.

UNDER-SEAT STORAGE (UTILITY BOX)



Your scooter has a 32 litre under-seat storage space to carry your luggage belongings. Refer page No. 21 for details.

ALL LED ILLUMINATION





Your Scooter comes in with premium LED lamps. Efficient and bright, this gives TVS iQube Electric S a totally upgraded Look and Style with better visibility for night rides. LED lamps consume less power with increased luminous intensity.

SIDE STAND INDICATION



Vehicle will be immobile and side stand indication will be shown in the instrument cluster if the vehicle is on side stand.

∧ Caution

Always release the side stand to its full up position before moving the vehicle

FLIP KEY WITH LED LIGHT



Foldable key with LED light helps you to see ignition lock in dark

PLEASANT HORN TONE

A newly designed horn produces a pleasant tone when pressed by user.

MALFUNCTION INDICATION AND SERVICE REMINDER



Malfunction indication notifies you if there is an impending warning or if there is a fault to take the vehicle for diagnosis and troubleshooting. Whereas service reminder recalls you to take the vehicle for periodic maintenance (care) at Authorised Service station based on the alert.

TEXTURED FLOORBOARD



Your scooter comes with a stylish textured floor board.

TEXTURED FLOOR MAT



Your scooter comes with a stylish textures floor mat.

ACCESSORIES FOR YOUR SCOOTER

SMART PHONE CHARGER**



Your TVS iQube Electric S is provided with a socket for charging your smart phone even while you are traveling and it is located in the utility box below the seat assembly. Refer page No. 22 for usage details.

SAFETY INFORMATION

Operating this vehicle safely is an important responsibility of the rider. To help you make safe decisions while operating the vehicle, we have provided necessary operating procedures and other information in this manual. This information alerts you on potential hazards that could cause injury to you or others. Since it is not possible to warn you about all the hazards associated with operating or maintaining the vehicle, you must use your own judgement.

You will find important safety information in following form in this manual. These words carry the following connectations:



This message provides further clarification for clear understanding of any particular.

∧ Caution

This message indicates special procedures or precautions to be followed to avoid damage to the vehicle.

Warning

Disregarding this message might result in accidents or injury to the rider.

1 Note

- All information, illustrations, photographs and specifications contained in this owners manual are based on
 the latest product information available at the time of this publication. TVS Motor Company Limited may,
 however, incorporate modifications or improvements on its vehicles at any time without notice and therefore,
 in such events it is possible that the relevant part of the owner's manual does not apply to your vehicle.
- Prior permission of TVS Motor Company Limited is required for quoting, copying or reproducing any part of the owner's manual.
- Accessories shown in the picture may not be part of the standard equipment.
- Pictures shown in this manual are of TVS iQube Electric S Disc Brake version unless specified.

∧ Caution

- 1. Leaving the ignition cum steering lock in 'ON' position for a prolonged time will drain the battery when the vehicle is not in use. Switch OFF and take the key out when the vehicle is not in use.
- 2. Always lock the steering while parking for safety.
- It is recommended to use the tool kit in case of emergency only. It is always advisable to take your vehicle to TVS Motor Company Authorized Main Dealer.
- 4. Never sit on vehicle when it is supported by stands.
- 5. Utility box can be used to carry a load of maximum 10 kg.
- Do not carry perishable items inside the utility box. It is not fully sealed. Do not allow / spray water inside the utility box. Take care not to spill liquid into the utility box.
- Care should be taken not to attach the luggage which hangs out of your scooter. Please note that the luggage attached to your scooter should not interfere with your feet movement.
- 8. The charging time of the vehicle may vary, depending on the vehicle's battery state of charge.
- 9. The flap has been designed to prevent water entry inside the charging port and is not replaceable. No warranty for charger is applicable in case of flap damage.
- 10. Always release the side stand to its full up position before moving the vehicle.
- 11. Be aware of reverse park assist mode. In this mode, the vehicle will move in reverse when throttle is given.
- 12. Always park the vehicle on a flat, firm surface, in shaded area and away from flood, fire and other unsafe environments.
- 13. While charging vehicle always switch on AC supply, only after plugging in both end of the charging cord at their respective positions.

Warning

- 1. Never attempt to move the vehicle when the steering is locked, you may lose balance.
- 2. Use appropriate head lamp beam 'high / low' as per the traffic and road conditions for your safety and avoid inconvenience to other riders.
- Operating the TVS iQube Electric S overloaded will hamper riding stability and may lead to loss of control.
 Hence, it is advisable to carry the recommended amount of load only.
- 4. Don't touch any open cables or terminals.

Vehicle Performance Variation

We at TVS, value your safety and comfort and hence have taken certain measures to ensure the best riding experience of your TVS iQube Electric S.

In line with this, we have deployed a safety measure for critical vehicle parts like the motor and the MCU.

To ensue the safety of you and your TVS iQube Electric S, in high temperature conditions, whenever the temperature of vehicle components reaches a critical point, as a safety measure performance of some systems are deliberately reduced to optimize the temperature. This is indicated by the MIL on your dashboard glowing after sometime.

For example, if you have accelerated the scooter with brakes applied, the temperature of the motor and the MCU starts increasing. Once it reaches a critical point, the Throttle Positioning Sensor starts "derating" the vehicle to control the increase in temperature beyond critical point, thus slowing the vehicle down a little. This may result in loss of vehicle performance to a certain extent, and you may experience some drop in performance.

In extreme conditions, for example; when ambient temperature is extremely high and vehicle is being driven continuously in overloaded condition, even after the MIL indication on your cluster is on, it may result in the vehicle coming to a complete stop.

In any such situation that you may face, it is recommend to allow the vehicle to cool down by riding it in slow speed in Eco Mode or stop the vehicle for some time till the MIL indicator on your connected instrument cluster goes away. Usually this should only take a few minutes. This will ensure the safety of you as well as life of electric components in the scooter.

Incase if the MIL indicator is glowing continuously even when vehicle is in cold condition, take your vehicle to TVS Motor Company Authorised Main Dealer for rectification.

KNOW YOUR TVS IQUBE ELECTRICS

VEHICLE IDENTIFICATION NUMBER

The frame and traction motor serial numbers are the only means of identifying your vehicle from others of the same type. They are also required to assist your Dealer for ordering parts or referring to special information.



The frame serial number is stamped on the frame, at the rear end below the seat assembly. Open the seat assembly and remove the VIN cover to read the frame number.



The traction motor serial number is stamped on the hub of the rear wheel assembly. Rotate the rear wheel assembly to read the motor number.

VEHICLE LEFT SIDE

- 1. Brake Disc
- 2. Front wheel axle
- 3. Side stand
- 4. Pillion foot rest L



VEHICLE RIGHT SIDE

- 1. Seat assembly
- 2. Crash Guard
- 3. Pillion foot rest R
- 4. Cover front
- 5. Bag hook (rear)
- 6. Front wheel axle nut



VEHICLE FRONT SIDE

- 1. Front Position Lamp
- 2. Turn signal lamp front L
- 3. Headlamp (AHO)
- 4. Turn signal lamp front R



VEHICLE REAR SIDE

- 1. Tail/brake lamp
- 2. Turn signal lamp rear R
- 3. License plate lamp
- 4. Turn signal lamp rear L
- 5. Pillion handle



VEHICLE TOP SIDE



- 1. Instrument cluster
- 2. Rear view mirror R
- 3. Hazard switch
- 4. Right hand brake lever
- 5. Throttle grip
- 6. Park assist switch
- 7. Mode switch
- 8. Ignition cum steering lock
- 9. Bag hook (front)

- 10. Charging socket
- 11. Horn switch
- 12. Turn signal lamp switch
- 13. HMI Switch
- 14. Left hand brake lever
- 15. Left hand brake lever lock
- 16. High/low beam switch
- 17. Rear view mirror L

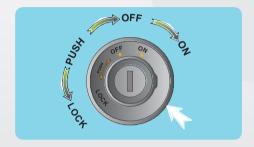
CONTROLS

Your TVS iQube Electric S comes with a pair of identical control keys. These keys are to operate ignition cum steering lock and seat lock.

IGNITION CUM STEFRING LOCK

The ignition switch enables and disables the electrical circuit and steering lock. The three positions of the switch are described below





'OFF' position
 All electrical circuits are deactivated. The key can be removed from the lock.

2. 'ON' position

All electrical circuits are activated. Vehicle's instrument cluster will wake up and the vehicle can be shifted to drive mode.

Control key cannot be taken out from the lock in this position.

3. 'LOCK' position

Your TVS iQube Electric S steering can be locked in both 'left' and 'right' directions. Turn the handlebar to the 'left' or 'right'. Press the key IN and rotate it to the 'LOCK' position from 'OFF' position.

All electrical circuits are deactivated and the steering is locked. Control key can be removed from the lock

Insert the key into the lock and press the key IN and turn it to 'OFF' or 'ON' position to unlock the steering.

1 Note

Instrument cluster background illumination, front position lamp, illuminating logo, automatic headlamp on (AHO) and tail lamp glow automatically once the ignition key is turned 'ON' without activating any other switches.

A Caution

Leaving the ignition cum steering lock in 'ON' position for a prolonged time will drain the battery when the vehicle is not in use. Switch OFF and take the key out when the vehicle is not in use.

Always lock the steering while parking for safety.

Warning

Never attempt to move the vehicle when the steering is locked, you may lose balance.

HANDLE BAR LEFT SIDE



11. Horn switch

Press the switch ' to operate the horn.

12. Turn signal lamp switch

Slide the turn signal lamp switch to left ' ' or right side ' ' to operate respective turn signal lamps (LH / RH). Press the center button of the switch to turn 'OFF'.

13. HMI switch

The HMI switch is used to operate the menu screens on the cluster.

14. Left hand brake lever

The rear brake is applied by squeezing the rear brake lever gently towards the handle grip. The brake lamp glows on application of rear brake.

15. Left hand brake lever lock

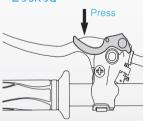
Left hand brake lever lock is useful when your scooter is parked with side stand on a slope to avoid falling.

To apply the left hand brake lever lock, squeeze the left hand brake lock lever fully towards the grip. Hold the brake lever at the same position, press and hold the left hand brake lever lock. Now release the brake lever and ensure that the brake is locked properly.

To release the left hand brake lever lock, squeeze the left hand brake lever further in and the lock will release automatically, release the brake lever upon releasing the brake lever lock.



Locked



16. High/low beam switch

With the head lamp 'ON', press the switch towards ') ' to operate head lamp high beam or press it towards ') ' to operate head lamp low beam.

1 Note

Ensure that the brake lever lock is released (if applied) before riding the vehicle.

Use appropriate head lamp beam 'high / low' as per the traffic and road conditions for your safety and avoid inconvenience to other riders.

HANDLE BAR RIGHT SIDE



3. Hazard Switch

Whenever it is necessary to park TVS iQube Electric S in a hazardous location, press the hazard switch in ignition 'ON' condition to start simultaneously flashing of all turn signal lamps, so as to make others aware of your vehicle presence. Press the switch again to turn-off the lamps.

4. Right hand brake lever

The brake lever controls a hydraulic circuit while squeezing and the hydraulic circuit operates the front brake system. The brake lamp glows on application of front brake.

5. Throttle grip

Vehicle speed is controlled by the rotation of the throttle grip. Twist it towards you to increase the vehicle speed and twist it away from you or release it to decrease the vehicle speed.

6. Park assist switch

Park assist switch activates park assist mode and allows vehicle to roll forward or backward in restricted speed thereby to reduce the effort of parking by yourself. 7 Mode switch

Mode switch allows to switch between following modes:

- 1. Economy mode
- Power mode

AUTOMATIC HEAD LAMP ON (AHO)



TVS iQube Electric S comes with a Automatic Headlamp ON (AHO) LED lamp which glows automatically once the ignition is turned 'ON'.

PARKING THE VEHICLE

- + User can select Park assistance while parking, by pressing park assist switch (6) & either of the brake switch [(4) / (14)] simultaneously.
- + The cluster will enter into park assist forward mode as shown, apply throttle to move.



 Press park assist switch once again, for shifting to reverse mode as shown, apply throttle to move.



 During forward movement the speed is limited to 10 km/h and during reverse speed is limited to 3 km/h

∧ Caution

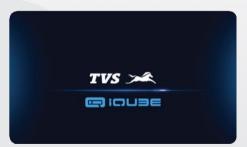
Park assist will be activated only when vehicle speed is 0 km/h

DRIVING THE VEHICLE

+ Switch on the vehicle by turning the key (8)



+ The instrument cluster will display TVSM logo as shown below and it will enter into idle mode.



- + To activate the vehicle-
- :> Press mode switch (7) and either one of the brake switch [(4) / (14)] simultaneously until you hear a beep sound. Once the vehicle is activated, it will enter into economy mode-



:> Give throttle to start the vehicle in economy mode or press mode switch again to drive in power mode.

FCONOMY MODE



- + While in power mode, press mode switch (7) to come in economy mode.
- + In this mode the Electric two wheeler is operated with the traction motor and the vehicle speed reaches up to 45 km/h.
- We can attain more range as compared to power mode.

POWER MODE



- + While in economy mode, press mode switch (7) to come in power mode.
- + In this mode the Electric two wheeler is operated with the traction motor and the vehicle speed reaches up to 78 km/h.
- + This mode will provide better acceleration than economy mode.

1 Note

User can change the mode from economy to power, while the vehicle is running by pressing mode switch (not applicable during re-generation mode).

△ Caution

Do not apply brakes while accelerating. Doing so reduces your achievable range and increases wear of your brakes.

SIDE STAND



Side stand can be operated by sitting on vehicle with your left foot by pushing it away from the vehicle till it stops.



Mandatory accessory will be charged extra.

△ Caution

Never sit on vehicle when it is supported by stands.
Always park the vehicle on a flat, firm
surface.

Warning

Always release the side stand to its full up position before moving the vehicle.

TOOL KIT



To assist you in performing certain aspects of periodic maintenance and emergency repairs, a tool kit is supplied along with the vehicle and it is located inside the utility box. To access the tool kit, insert the control key into seat lock and rotate it in clockwise direction. Lift and open the seat.



The tool kit consists one number each of the following. Ensure the contents of the tool kit.

- 1. 10x12 mm spanner
- 2. Tool bag
- 3. Screw driver handle
- 4. Combination screw driver bit

▲ Caution

It is recommended to use the tool kit in case of any emergency only. It is always advisable to take your vehicle to TVS Motor Company Authorised Main Dealer.

UTILITY BOX



Utility box is located below the seat. Lift the seat by unlocking the seat lock as explained in the previous section, to access the utility box.

∧ Caution

- Utility box can be used to carry a load of maximum 10 kg.
- Do not carry perishable items inside the utility box. It is not fully sealed. Do not allow / spray water inside the utility box.
- Do not keep heat-sensitive items inside as it may get hot on long rides.
- Do not keep valuable items inside the utility box when leaving the vehicle unattended.

Warning

Operating the TVS iQube Electric S in an overloaded condition will reduce range and hamper riding stability and may lead to loss of control. Hence, it is advisable to carry the recommended amount of load only.

BAG HOOKS



There are two bag hooks provided with your scooter to carry light luggage like carry bags weighing upto 3 kg. One hook is located below handle bar on the rear panel.

Just pull out the hook from the top (A) to hang your luggage. Push back the hook once it is free.

Similarly, the other one (B) is located on the cover front below front end of the seat assembly. Pull out the hook from its position. Open the top lid and hang your cargo. Lid will get close automatically. Push back the hook to its original position once it is free.

∧ Caution

Care should be taken not to attach the luggage which hangs out of your scooter. Please note that the luggage attached to your scooter should not interfere with your feet movement.

SMART PHONE CHARGER

All new smart phone charger has been provided in the utility box of your vehicle. Please follow the guidelines mentioned below for using it properly:

DO's

 Ensure that no water enters into the unit, by closing the USB flap properly.



- Use approved, standard USB cable for charging mobile phones.
- Do make sure the flap is not damaged while opening / inserting the USB cable.

DON'Ts

- Do not leave the USB charging flap open / partially closed.
- Do not attempt to use / charge any other device, other than mobile phones. Only one mobile phone should be charged at a given time.
- 3. Do not try to force the USB connector in, check whether it is inserted in the appropriate direction, to prevent the damage to the charger.

∧ Caution

The charging time of the mobile may vary, depending on the mobile's battery state of charge. The rubber flap in the unit has been designed to prevent water entry and is not replaceable. No warranty will be applicable for charger in case of rubber flap cut.

ILLUMINATING LOGO



Illuminating logo will display the vehicle type name as 'ELECTRIC' during the vehicle in zero speed conditions. During charging of the vehicle, illuminating logo will blink. The LED color of the illuminating logo is Blue. Illuminating logo is mounted on the swing arm cover as shown above.

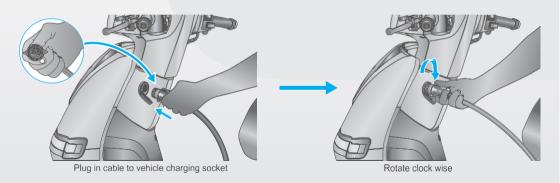
VEHICLE CHARGING Charger

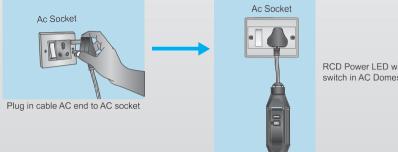




The charger shown is for representative purposes and might be different to that supplied. Depending on charger variant or rated power of charger, a 15A plug might be required for charging.

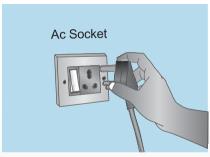
CONNECTING FOR CHARGING*



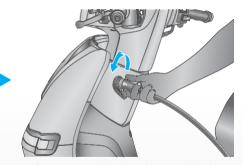


RCD Power LED will glow once the switch in AC Domestic socket is turned ON.

DISCONNECTING CHARGER



Take out cable AC end from AC socket



Rotate counter clock wise to plug out cable other end from vehicle charging socket & close vehicle charging socket cap

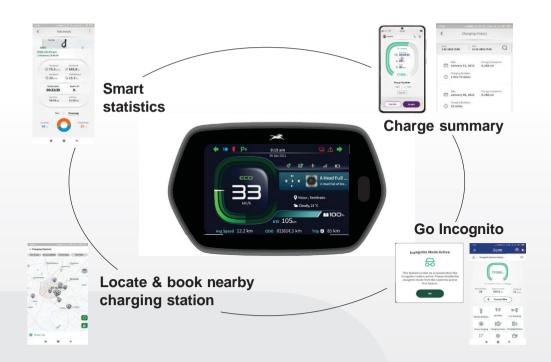
CHARGER DO's & DON'Ts

- · Never use the charger with damaged housing or cable.
- Never modify a charger or open its housing.
- Connect the charger to a regular outlet only.
- Never carry the charger by its electrical cable or pull at the cable.
- For disconnection of the charger, remove it through the plug and not by pulling the cable.
- Cables for socket must be installed and dressed neatly to avoid tripping over.
- Use original TVSM recommended spares & accessories only.
- Never use in the oxygen enriched environments.
- Don't use flammable objects or anesthetics on or adjacent to the charger.
- Don't use the charger in the rooms and areas with high intensity of electromagnetic disturbances (Eg: Surgical equipment room, RF shielded room etc.)
- Never immerse in water or any other liquids.
- Don't use in conditions which has radical changes in environment.
- · Don't use chemical cleaning agents.
- · Use dry cloth only to clean the surface.
- Disconnect the charger before cleaning the charger.
- The charger is maintenance free. In case of any faults, kindly contact the nearest dealer.
- The charger should be stored in clean, dry environment only. It should not be stored in corrosive, or with other fluids which might be harmful to it.

INSTRUMENT CLUSTER

Your TVS iQube Electric S is provided with a fully digital connected instrument cluster with lots of feature and modes like Economy, Power, Parking, navigation assist, Bluetooth connected app for mobile devices, etc. Moreover your vehicle's instrument cluster is provided with several tell tales & alerts to inform you about the vehicles current condition, let us have a glimpse of them.









Mobile phones can be connected with vehicle instrument cluster using Bluetooth, which helps you to know about your ride data and many other functions. Once Bluetooth connection is established between instrument cluster and mobile phone. Bluetooth symbol will glow.

Your vehicle also comes with a Telematic unit. This Telematic unit is under the concept of TVS and it is equipped with electronics to monitor and transmit various vehicle data such as battery, motor and other electrical systems. The vehicle data allows for various remote function services, some them are following.

- + Remote monitoring of charging status The charging status of the vehicle can be checked using your internet enabled smart phone (#TVSM APP name) even if you are not near to vehicle.
- + Live tracking The live status of the vehicle can be checked remotely at any time using TVS mobile app prescribed for this vehicle.
- + Geo-fencing The telematics system can be set to provide alerts if your vehicle is moved out of a set geographical boundary (can be defined through mobile app).
- + Theft notifications The telematic system can be used to track unauthorised usage but cannot prevent it.

 The system will notify the unauthorized movement of a vehicle with live location status. The notifications can be checked on the mobile app.

Note

"TVS Motor Company Ltd. does not recommend usage of any type of Mobile Hand Held Devices, and applications / features whether installed or associated with the vehicle which deprives the rider's attention and focus while riding the Two Wheeler. The customers and riders are strictly advised to understand the applicable laws, road safety Rules and the local laws on usage of electronic devices while operating the vehicle. Usage of any Mobile or hand held devices, and /or applications / features while riding the vehicle is on move is totally at customer's / rider's risk. The product and features have technical limitations and are for general overview only."

WELCOME SCREEN

Rider name and profile picture will get updated in welcome screen.



The name and the profile picture will be same as updated in the mobile app.



IDLE SCREEN

Apply brake (1) and press mode switch (2) to come out of idle mode and start riding.



TFT - CLUSTER TELL TALES



- Turn signal indicator lamp left Flashes when the left side turn signal indication is activated.
- High beam indicator lamp Glows when the head lamp high beam is activated.
- 3. Side stand indicator The side stand warning indicator turns 'ON' to alert you whenever the vehicle's side stand is deployed (vehicle parked condition) and continuous beep sound will be released from the vehicle to alert the rider to retract side stand before starting the vehicle.

Note

If the side stand is deployed the vehicle will not start. Retract the side stand to start the vehicle.

- Park assist indicator Park assist indicator turns 'ON' when the parking switch is pressed.
- Time & Date indicator Shows current time and date.
- Low battery charge indicator It is yet another unique feature of your scooter which indicates you to charge the vehicle, when the charge percentage goes below minimum safe level.
- Malfunction indicator lamp (MIL) It is turned ON when the ECU detects a fault in the system or there is an impending warning. If the malfunction indicator lamp ' ' is glowing continually when the vehicle is in drive mode, immediately contact the nearest TVS Motor Company Authorised Main Dealer or Authorised Dealer.

- Turn signal indicator lamp right Flashes when the right side turn signal indication is activated.
- Notification Shows all notifications received in your mobile
- Battery level indicator (SOC) Indicates battery charge in percentage.
- 11. Trip A / Trip B This instrument cluster comes with two trip options Trip A & Trip B to measure to & fro distance between two locations as per your requirement. The distance can only be reset using mobile app.
- 12. DTE Shows distance to empty, indicates the distance that the vehicle can go with current level of battery charge, depending on riding pattern and road load.
- Odometer Shows maximum distance covered by vehicle till now.
- Average speed It indicates average speed in Kmph.
- Power flow indication Indicates following two condition of vehicle;
 - a. Driving condition: Vehicle is driven by motor by consuming power from the battery.
 - Regeneration condition: Indicates regeneration of power is happening.
- 16. Speedometer Indicates vehicle current speed.
- 17. Mode display Indicates whether the vehicle in economy or power mode.

SELECTABLE RIDING MODES





Economy

Power

REGENERATIVE BRAKING



It recuperates energy lost during braking / deceleration of traction motor under specified conditions and charges the battery.

DAY / NIGHT MODE





Day/Night mode theme can be selected manually based on users preference

PARKING / REVERSE ASSIST



Press Brake + Park Assist Switch to enter / exit to Park assist mode.

It reduces the effort of parking for you by allowing controlled movement of the vehicle in forward or reverse direction with minimal speed.

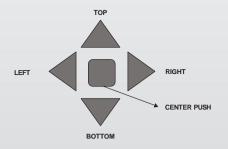


Forward condition



Reverse condition

HMI SWITCH INTERFACE WITH TFT CLUSTER





To operate the menu screens on the cluster, the HMI switch is used in the following manner:

- Top and Bottom To scroll the menus
- Centre To enter into menu screen / To enter into selected menu
- Left To go back to previous screen
- Right To scroll the widgets in the selected menu in horizontal direction

CONNECT BLUETOOTH WITH MOBILE APP

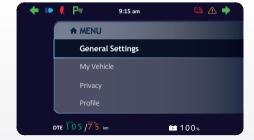
Connect with instrument cluster using mobile app to get access through various features like message notification call accept / reject options etc. on the go.

Telematic unit is used for identifying the vehicle location.

Ride Data Sync (optional) helps you to know about your ride data and many other functions on the mobile app.

To connect bluetooth with mobile app,

- 1 Go to Menu
- 2. Select General Settings



3. Select Bluetooth Settings



4. Select Device name



5. View your device name



CONNECTED DRIVE SCREEN



- 1. Call notification ' '- Shows incoming caller's detail on the screen when it is connected to the bluetooth of your phone.
- Message notification ' Shows the arrival of the message on the screen. Does not display the content.
- 3. Bluetooth ' Indicates vehicle is connected with rider's mobile via mobile app.

- 4. Network signal ' Indicates mobile signal once connected with vehicle via bluetooth.
- Mobile battery level indicator 'i '- Indicates rider's mobile battery level once connected with vehicle via bluetooth.

TURN BY TURN NAVIGATION

Instrument cluster displays navigation instructions of your desired destination while connected with your smart phone app, just connect and get turn by turn navigation directly on your display.

It indicates the following details,

- 1. Navigation instructions
- Estimated time of arrival
- Distance left



INCOMING CALL ALERT



Once mobile app is connected with vehicle instrument cluster, incoming call options (1) will be shown in instrument cluster while you are riding the vehicle as shown above

If it's an important call, you can pull over safely and attend to it. If it's not, then just keep riding.

- Push the HMI switch towards right (2) to accept the call.
- Push the HMI switch towards Left (3) to reject the call



- Call duration (1) will be shown in the instrument cluster.
- 4. If you receive a second call, push the HMI switch towards Left (2) to reject the second call.

MESSAGE ALERT



Once mobile phones connected with vehicle instrument cluster, incoming messages (1) will be shown in instrument cluster while you are riding the vehicle as shown above.

SOCIAL MEDIA NOTIFICATIONS





The screen displays only the number of messages, conversations or notifications of social media.

MUSIC CONTROLS

Music playing in the connected smart phone will be displayed in the instrument cluster and it can be controlled using HMI switch.

To select the song or adjust the volume, the HMI switch is used in the following manner:

- Top (T) To Increase volume
- Bottom (B) To Decrease volume
- Centre (C) To Pause / Play
- Left (L) To Play previous song
- Right (R)— To Play next song



BATTERY CHARGE | EVEL & DTF

Battery level indication helps you to know how much battery charge is left in the vehicle by displaying percentage of SOC (Stage of Charge).

DTE (Distance to Empty) helps the user to know how much distance can be travelled with the remaining battery charge.



DTE is an estimation which varies based on the rider's driving pattern.



PLUG IN CHARGING

Plug in charging helps user to charge the vehicle battery with the help of included charger.



GENERAL SETTINGS

You can personalize the display settings which includes Display Brightness, Clock, Date, Day and Night mode.

DATE SETTINGS

Date can be either set automatically or manually on the cluster screen.

If auto option is selected, the date and time of the vehicle is pulled from GPS satellite data. This might lead to a lag in date and time getting displayed on your cluster, since the update happens based on GPS satellite visbility and is dependent on your vehicle having open and clear skies above it.

To set date.

- 1 Go to Menu
- Select General Settings



3. Select Date option



4. Select either Auto or Manual options



- If manual option is selected, set the date using top and bottom of HMI switch either increase or decrease it.
- Use right position of HMI switch to go to MM and YY.
- 7. Use center push to save the selected date.



TIME SETTINGS

Time can be either set automatically or manually on the cluster screen.

If auto option is selected, the date and time of the vehicle is pulled from GPS satellite data. This might lead to a lag in date and time getting displayed on your cluster, since the update happens based on GPS satellite visbility and is dependent on your vehicle having open and clear skies above it.

To set time.

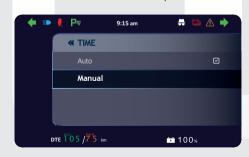
- Go to Menu
- 2. Select General Settings



3. Select Time option



4. Select either Auto or Manual options



If manual option is selected, enter the time and save it



DISPLAY BRIGHTNESS SETTINGS

Display brightness can be either tuned automatically by the help of ambient light sensor or tuned manually from low to high and vice versa.

To tune the display brightness,

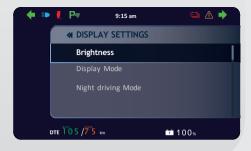
- 1. Go to Menu
- Select General Settings



3. Select Display Settings



4. Select Brightness option



5. Select either Adaptive or Manual options



If manual option is selected, tune manually from low to high or vice versa and save it



CLUSTER SOUND SETTINGS

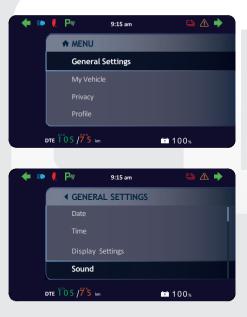
The cluster sound can be turned ON or OFF.

To turn ON or OFF cluster sound.

- 1. Go to Menu
- 2. Select General Settings

3. Select Sound option

4. Select either ON or OFF



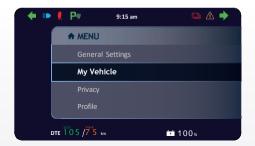


MY VEHICLE

From the 'My Vehicle' option in the MENU, to check errors can be checked.

To check Error details,

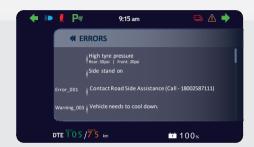
- 1 Go to Menu
- 2. Select My Vehicle option



3. Select Errors option



4. You can check error details



UPLOAD DIGITAL DOCUMENTS

Under 'My Vehicle option' in the MENU, you can upload 3 digital documents.

To upload digital documents,

- 1. Go to Menu
- 2. Select My Vehicle option



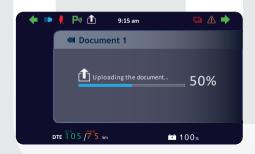
3. Select Digital Documents option



4. You can upload digital document



5. Uploading percentage will be displayed



After completion, status shows 'The document has been uploaded'



TRIP METER READINGS

You can check for the chosen trip meter readings from the My Vehicle option.

To check the chosen trip meter readings,

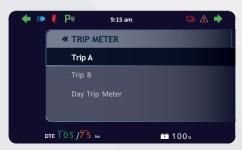
- 1. Go to Menu
- 2. Select My Vehicle option



3. Select TRIP METER option



 Select a Trip for which you want to check the readings



You can check the chosen trip meter readings in the display

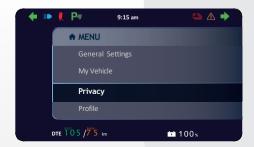


NOTIFICATIONS PRIVACY SETTINGS

You have an option to enable and disable the connected notifications – call, messages and other notifications

To enable or disable the connected notifications.

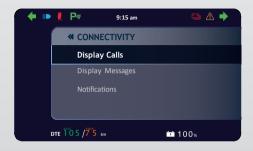
- 1. Go to Menu
- 2. Select Privacy option



3. Select Connectivity option



 Select either 'Display Calls' or 'Display Messages' or 'Notifications' option from the drop down to enable or disable them.



5. Turn On or Off 'Display Calls' notifications



6. Turn On or Off 'Display Messages' notifications



7. Turn On or Off other 'Notifications'



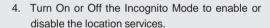
LOCATION PRIVACY SETTINGS

You have an option to enable and disable the location services using incognito mode.

To enable and disable the location services.

- 1. Go to Menu
- 2. Select Privacy option











△ Caution

Connected services, even if subscribed to, such as live tracking, geofencing, etc. will not work if incognito mode is active.

PROFILE SETTINGS

Profile is same as entered by the you in the mobile app.

To view your profile details,

- 1. Go to Menu
- 2. Select Profile option

- You can view the below details entered in the mobile app.
 - 1. Profile picture
 - 2. Name
 - 3 Date of Birth
 - 4. Software Version
 - 5. VIN Number



VOICE ASSIST*

Introducing 'Hey TVS' voice assist feature. This will enable iQube customers to speak out certain commands after invoking with 'Hey TVS' and execute tasks handsfree.

Voice assist can also be invoked by the following methods

- By long centre push of HMI switch. (This will work only when vehicle is connected via Bluetooth to iQube mobile application and application is not in power saving mode)
- 2. By pressing the voice assist icon in the app live dashboard as shown on the image. This will work irrespective of vehicle is 'ON/OFF'



Voice assist usage and activation for the first time would require download of a large data file.

Location, Microphone, Files & Media Storage, Accessories, Call & Bluetooth, or any other requested permissions need to be granted with ALLOW ALL THE TIME selected, for proper functioning of all iQube app and voice assist functions.

Voice assist will work with screen lock condition /app background condition.

Use wired / wireless headphone for listening and talking. Voice feedback will work only if a wired /wireless headphone is connected.

Option to enable / disable voice assistant and voice feedback is available in App settings.

After invoking voice assist, "Hello, How can i help you?" will appear on the screen and a speak now will be heard on the headset.

This is when we have to start speaking / providing the command.

The following are the list of intents recognized by voice assist.

* Voice assistance functionalities might not be available in all variants and is part of additional software subscription package.

Voice assist commands and key words

S. No.	Domain	Function	Example Commands	Remarks
1	Navigation	Search by Place Name	Hey TVS, Take me to Bangalore Navigate me to Bangalore Take me to forum mall in whitefield Start navigation to	-
2	Navigation	Nearby POI	Hey TVS, Find an ATM nearby Take me to nearest petrol pump Locate a restraunt nearby find a place to hang out Navigate to nearest charging station	-
3	Navigation	ETA, EDR	Hey TVS, How long till we reach the destination What is the ETA How much distance is left How much time remaining to reach destination	-
4	Navigation	Location awareness	Hey TVS, where are we What is my location? Where am I?	-
5	Navigation	Resume/ Pause/Stop Navigation	Hey TVS, pause /resume/stop navigation	Pausing and resumption of navigation will not work in Android
6	Navigation	Voice Alerts	Hey TVS, Mute Navigation Voice Alerts	In Android this will mute the system volume.
7	Command & Control	Last parked location	"Hey TVS, Where are you? Where is my vehicle? Find my bike/vehicle?"	-
9	Command & Control	Show Distance to Empty/ Range	"Hey TVS, how far can I travel Show Range Show DTE"	-
11	Command & Control	Top/ Average Speed	Hey TVS, What is my top speed?	-
12	TTS (Text To Speech alerts)	TTS Alerts for over speed	TTS alerts for overspeed based on limit set by the user in the app	-
14	Greeting	Greeting	TTS Message: Hello/Hi Rithik, You are now connected to the vehicle.	-
15	Call/SMS	Incoming call notify	TTS Message	-

S. No.	Domain	Function	Example Commands	Remarks
16	Call/SMS	Make call single match	"Hey TVS , Call Bala Dial Bala Make a call to Bala Give a call to Bala Can u pls call Bala"	-
17	Call/SMS	Accept / Reject Call	Hey TVS, Reject Call Decline/ Decline call	This feature is dependent on limitations set by your phones manufacturer and might not work for your phone.
18	Call/SMS	Make call multiple match	"Hey TVS , Call Bala Dial Bala Make a call to Bala Give a call to Bala Can u pls call Bala"	This feature will not work in iOS if app is in background.
19	Call/SMS	Call Log	"Hey TVS, Whom did I call last, Whom did I talk to last, Who called me last, Who is my last caller"	This feature has limited functionality in iOS.
20	Call/SMS	Dial a Number	"Hey TVS, Call 10 digit number Dial "" a number"" Make a call to Give a call to I would like to speak to	Manual consent by user is required to use this feature in iOS
21	Call/SMS	TVS Service	Hey TVS, Call TVS Service	Manual consent by user is required to use this feature in iOS
22	Command & Control	DND	"Hey TVS, Enable / Disable Do Not Disturb Mode Enable/disable DND mode Turn on/ Off DND mode Turn on/ off Do not disturb"	This feature has limited functionality in iOS
23	Phone Settings	Announce low battery	TTS Message	-
24	Phone Settings	Announce poor network	TTS Message	-
26	Media Control	Volume control	"Hey TVS, increase/decrease/ reduce volume Increase decrease volume to max/ min"	Will not work with BT headset
27	Weather	Weather forecast specific	"Hey TVS, will it rain now/Is there any chance of rain today When will it stop raining How is the weather"	-

S. No.	S. No. Domain Function		Example Commands	Remarks	
00	Weather	Weather related	"Hey TVS, Give me weather updates for Sunday/any day or time		
28		queries non-specific	How is the weather How the weather is going to be Sunday/tomorrow/today/time"	-	
29	Weather	Weather Report	"Hey TVS, Give me weather updates of Bengaluru for Sunday/ any day or time How is the weather in Bengaluru How the weather is going to be Sunday/tomorrow/today/time"	-	
30	WuW*	sos	SOS (SOS will work as a wake up word)	User consent is required for calling (Dialing 112)	
32	Command & Control	Geofence	Hey TVS, Create a geofence of 1 km	-	
33	Command & Control	Battery Query	"Hey TVS, What is the battery SOC What is my battery level How much is my battery/vehicle/ bike/iQube charged?"	-	
34	Command & Control	Charging Status	Hey TVS, What is my charging status Is my vehicle charging		
35	Command & Control	Time to full charge	Hey TVS, How much time to charge full When will my vehicle be full charged	-	
36	Command & Control	Odometer Value	Hey TVS, What is my odometer value	-	
37	Command & Control	Overspeed Threshold Query	Hey TVS. What is my overspeed value Hey TVS. turn on/off overspeed alert Hey TVS. Enable/disable overspeed alert Hey TVS. set overpeed alert to 90 KMPH Hey TVS. put overspeed alert at 100 KMPH	If user gives out of range value it shows as setting up response but later there is TTS as overspeed can be configured between 40 to 70 km/hr	

^{*} This is only provided as an accessory feature and is not intended for use in any emergency scenario.

TVS does not bear any liability and and its representatives, employees, and affiliates shall not be held responsible or liable for any damages, losses, injuries, or claims arising from your use of our services.

S. No.	Domain	Function	Example Commands	Remarks
38	Command & Control	Incognito status query	Hey TVS, What is my incognito status	-
39	Command & Control	Trip meter	Hey TVS, Reset trip A/B.	-
40	Vehicle Control	Hey TVS, Connect to the vehicle	"Connect to the vehicle Connect me to the vehicle Connect my vehicle Pair with the bike Start connection to vehicle"	-
41	Media Control	Hey TVS, mute / unmute volume	Mute/unmute volume/sound	Will not work with BT headset
42	Call/SMS	Hey TVS, Call Emergency services *	"Hey TVS, Call SOS Call emergency services"	-
43	Call/SMS	Hey TVS, Enable Auto SMS	"Hey TVS, Enable Auto SMS Hey TVS, Turn on Auto SMS Hey TVS, Turn on Auto Messages"	This feature has limited functionality in iOS.
44	Call/SMS	Hey TVS, Disable Auto SMS	"Hey TVS, Disable Auto SMS Hey TVS, Turn off Auto SMS Hey TVS, Disable Auto Messages"	This feature has limited functionality in iOS.
45	TTS	TTS for end ride	TTS Message: Rithik, your ride has ended.	Pass



The list of commands and intent will be updated periodically and might change, the list mentioned here is for representative purposes only. Please refer to the command list mentioned in the mobile app to stay updated.

* This is only provided as an accessory feature and is not intended for use in any emergency scenario. TVS does not bear any liability and and its representatives, employees, and affiliates shall not be held responsible or liable for any damages, losses, injuries, or claims arising from your use of our services

Things to do while using voice assistant:

- 1. We recommend to use ANC (Active Noise Canceling) Bluetooth devices for better performance.
- 2. Ensure Microphone is kept near to your mouth while giving out commands.
- Please ensure that it is not exposed to outside environmental noise such as wind noise, other vehicles' noise etc.
- 4. We recommend you to go through the sample command list before trying your intent.
- Kindly refer to the voice feedback of the detected place name when you provide voice command for navigation.

Things not to do while using voice assistant:

- 1. We recommend you not to use the method of invoking voice assist through mobile App while riding.
- 2. Please do not use voice assist functionality during heavy traffic condition.

Terms & Conditions

- SmartXonnect feature is now enhanced with Voice Assistance capability. This will enable the user to control
 certain characteristics of the vehicle in a safe manner.
- Customers can use the voice commands listed as part of the voice assistance feature to improve their riding experience.
- SmartXonnect Voice Assistance is intended to minimize the use of Mobile phones while riding, in turn
 providing an exciting experience with the Bluetooth enabled system. We recommend users to take caution
 when providing voice commands.
- SmartXonnect Voice Assistance can be experienced with the help of following entities TVS iQUBE App,
 TVS iQube and a suitable Bluetooth accessory having a microphone and speaker. Users are recommended
 to wear certified helmets always while riding.
- In cases where customer uses a Bluetooth neckband or headset, it is recommended to always wear helmet.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use
 of such marks by TVS Motor Company Limited., is under license.
- Customers must always be cautious of the surroundings when using the SmartXonnect Voice Assist feature, especially while crossing intersections, in traffic, etc. Customers must always observe the roadway, signs, and signals carefully. Lack of attention can cause serious injury or loss of life. TVSM is not liable for any such mishaps.
- Customers must always obey traffic laws while riding. TVSM is not liable for any penalty caused due to user's lack of caution in obeying traffic laws
- Costs of network communication and communication equipment necessary for the use of SmartXonnect voice assist feature shall be borne by the user himself/herself.
- Some smartphones may not be compatible with the SmartXonnect Voice Assistance feature. We shall not
 be liable if there is delayed response from the voice assistance feature due to poor internet connection or
 the phone's performance limitations.
- Use of mobile phones while riding is not safe and is prohibited as per Motor Vehicle law and rules as framed by central / state governments. Hence, Customers should not use the mobile phone while riding. We shall not be liable for any penalties, damages for any violation or trouble in the use of smartphone while riding.
- Bluetooth hands free devices are not included as part of the package
- If you are unsure, proceed with caution. Always use your own good judgement, and obey traffic laws while riding
- Changes in operating systems, hardware, software, and other technology integral to providing SmartXonnect
 Voice assistance feature, as well as new or revised governmental regulations, may result in a decrease or
 cessation of SmartXonnect Voice assist functionality and services. TVSM cannot and does not provide any
 warranty or guarantee of future SmartXonnect Voice assist performance or functionality.

Alexa Skill

You can use Amazon alexa to know the status of your vehicle like location, battery status etc.

To activate TVS iQube in alexa in your alexa app. follow the below steps. Download the alexa app via play store for android or app store for iphone.

Note

It takes at-least 2 working days to activate Alexa post on-boarding and registration of vehicle on mobile app or purchase of subscription.

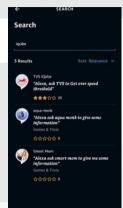
Open alexa app.



Click on Your smart home skills.



Search for TVS iQube.



Click on launch. and provide notification permission.



 Enter the registered mobile number and enter OTP to verify.





Alexa(TM), Amazon(TM) are registered trademarks of their respective companies and doesn't imply any connections or endorsements by them. Functionalities might not be available in all variants.

Alexa skill commands and key words

S. No.	Command	Utterances			
		What is the battery level?			
	Datter COC	What is the SOC?			
1	Battery SOC	How much is my vehicle / iQube / bike charged?			
		Can I take iQube out?			
		When did I ride last?			
		When did we go for a ride?			
		When did I take my vehicle out?			
2	Last updated time stamp	Did we go out yesterday or any other date?			
	·	When did I go out last time?			
		When did we connect last?			
		When did you last updated yourself?			
		Where are you?			
		Where is my vehicle?			
		What is your/my location?			
3	Location	Where is my vehicle located?			
		Where will I find you?			
		Find mu iQube/ vehicle/ bike			
		I can't find my bike / vehicle/ iQube			
4	Dettemostativa	What is the charging status			
4	Battery status	Is my vehicle on charge / charging?			
		What's my incognito status?			
_	Incognito mode Status	IS incognito status ON/ OFF?			
5		Can I currently track my vehicle?			
		Can I know the current location of my vehicle?			
	Cat Tan anad	What is/was the top speed of my vehicle?			
6	Get Top speed	What was my top speed in the last ride?			
7	Get Average Speed	What was my average speed?			
		How long did I ride?			
8	Total Drive Time	How long was our last ride?			
		How much time did I spend riding last?			
		When was my vehicle last charged?			
9	Get Last Charged Date	When did I last charge my vehicle?			
		Did I charge my vehicle today/ yesterday?			
		How much energy was consumed in the last charge			
10	Get Energy Consumed	How much energy was consumed by bike in the last charge?			
		How much energy was consumed by bike?			

S. No.	Command	Utterances		
		How long did I charge my vehicle?		
11	Out I and Ohama Baratina	How long did it take to charge?		
	Get Last Charge Duration	What was the charging duration last time?		
		For how long was the vehicle charging?		
		What are Geofences created?		
		What are my vehicle boundaries?		
12	Geofence list	How many Geofences are available for my vehicle?		
		Is there any Geofence created?		
		Are there any boundaries of my vehicle?		
		Create Geofence.		
13	Create Geofence	Create a circular boundary		
		Create circular geofence		
14	Rename Geofence	Rename Geofence		
		Delete Geofence		
15	Delete Geofence	Delete Geofence "name"		
15	Delete Geoletice	Delete boundary "name"		
		Delete boundary		
		Show Range		
		Show DTE/ What is the DTE?		
		How far can I travel with remaining charge		
16	Range	How far can I go? / How far can I travel?		
		What is the distance I can travel?		
		Can I go "X" km with remaining charge?		
		What is the range of my vehicle?		
		What is the tyre pressure		
		is the tyre pressure of my vehicle in safe limits?		
17	TPMS* Data	What is the tyre pressure of the vehicle?		
		Do I need to refill my vehicle tyre? / Do I need to refill my tyre?		
		Is tyre pressure Ok / in normal condition?		
		What is the Overspeed threshold set?		
18	Overspeed threshold	What is the Overspeed threshold?		
10	Overspeed trileshold	What are my/the safe drive limits?		
		How fast can I go?		

^{*} Voice commands mentioned in the above list are not exhaustive or may not be up to date, and are only representative of the commands supported. The full list of commands will be available on the mobile application. Functionality of certain command are specific to the variant of vehicle or the accessories fitted, such as TPMS.

S. No.	Command	Utterances
10	Time to charge full	How much time will it take to charge full?
19	Time to charge full	Is my vehicle fully charged?
20	Odometer value	What is the odometer value?
		How much total distance travelled by the vehicle?
		What is the total distance travelled?

MAINTENANCE SCHEDULE

The maintenance schedule indicates the intervals between periodic services. At the end of each interval, be sure to inspect, check, replace, adjust, lubricate and service as instructed. If the maintenance is not done periodically, it will result in rapid wear and severe damage to the vehicle. If the vehicle is used under high stress conditions such as continuous full throttle operation or is operated in dusty area, certain jobs should be performed more often to ensure reliability of the vehicle. Steering components, suspension and wheel components etc., are key items and require very special and careful servicing.

TVS Motor Company Limited strongly recommends that the jobs as per the maintenance schedule be performed by your TVS Motor Company Authorised Main Dealer.

Periodic inspections may reveal one or more parts that may need replacement. Whenever replacing parts of TVS iQube Electric S, it is recommended that you use only the TVS Motor Company Genuine parts.

∧ Caution

Proper maintenance is mandatory for making certain that your vehicle is reliable and gives optimum performance at all times. Make sure that the periodic maintenance is performed thoroughly in accordance with the instructions given in this owner's manual.

Liste der Arbeiten Service	Service					
Service Intervall	1.000 km 5.000 km 10.000 km 15.000 km 20.				20.000 km	Bemerkungen
Spiel des Gaszugs	I, L , A	I, L , A	I, L , A	R (oder alle 24 Monate)	I, L, A	
Spiel des HBS-Zugs (Zug für ntegral-Bremssystem)	I, L , A	I, L , A	I, L , A	R (oder alle 24 Monate)	I, L, A	alle 15.000 km oder 24 Monate ersetzen
Funktion der Lenkung	I,A	I, A	I, A	I,A	I,A	
estsitz der Vorder- und Hinterachsmuttern	I, A	I, A	I, A	I,A	I, A	
Festsitz der Schrauben für Schwinge	I, A	I, A	I,A	I,A	I, A	
Gelenk des Haupt- und Seitenständers (optional)		-	C, L , A	-	C, L , A	erneuern, alle 10.000 km
Alle elektrischen Anzeigen und Funktionen des Kombiinstruments	ı	ı	I	ı	1	
Festsitz der Schrauben für Seitenständerschalter	-	I,A	I,A	I,A	I,A	
Reifendruck vorn und hinten im kalten Zustand	1,5	1,5	1,5	1,5	1,5	
Verschleiß der Bremsnocken und Bremsbacken der Hinterradbremse	-	I, A	C, L , A	I,A	C, L , A	
Bremsbacke hinten auf Verschleiß kontrollieren	-	ı	ı		R	erneuern, falls notwendig
Spiel der Hinterradbremse*	-	I,A	I,A	I,A	I,A	
Bremsbelag vorn auf Verschleiß kontrollieren	- 1	ı	ı	ı	ı	erneuern, falls notwendig
Bremsflüssigkeit	ı	I	I	I	R	alle 20.000 km oder 24 Monate ersetzen
Bremsschlauch	ı	ı	1	1	ı	
Geberzylinder: Manschetten	-	-	-	-	R	alle 20.000 km oder 24 Monate ersetzen
_adegerät und Ladebetrieb	ı	ı	I	1	ı	
Hinterrad: Geräusch und Leichtgängigkeit	-	-	1	-	ı	
Gabelöl	-	-	-	-	R	

R - Erneuern; I - Kontrollieren; C - Reinigen; A - Einstellen; U - Update; L - Schmieren; S - Set

- 0 After 2nd service, each service interval will be at 5000 Km or 1 year which ever is earlier.
- 0 R Replace; I Inspect; C Clean; A Adjust; U Update; L Lubricate; S Set;
- 0 Reset service reminder and check for DTC's using diagnostic tool and correct it if any at every service.
- O Test drive the vehicle and ascertain smooth functioning of all controls and parts.
- O Clean the vehicle before delivery.
- O *Check the rear brake play periodically. However the brake play needs to be adjusted more frequently depending upon the usage.
- 0 **Fork oil has to be replaced at every 24000 km.
- 0 Tyre replacement has to be done based on the assessment of tyre wear as specifiedin page No. 62.

SELF - MAINTENANCE PROCEDURES

REAR BRAKE (DRUM BRAKE)

- 1. Measure the free play of the rear brake lever at the lever end as shown in the figure.
- 2. Free play of brake lever before the engagement of brake should be between 10 -15 mm.
- If the measured distance is more than the limit, adjust the nut provided at the rear wheel end to obtain the correct play.





4. Turn the adjuster nut in clockwise direction for reducing free play or in anti-clockwise direction for increasing the free play.

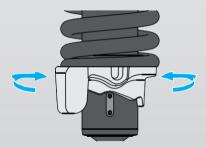
△ Caution

Ensure rear wheel can be rotated freely by hand after adjusting brake. If brakes are overtightened, range will be reduced due to excess energy consumption. Replace the brake shoes as a set, if the wear limit indicator shows beyond the wear limit even after indexing the lever.

REAR SHOCK ABSORBER

TVS iQube Electric S is provided with 3 step adjustable rear shock absorbers to meet different road and load. There are 3 notches for adjusting spring load.

If the spring is adjusted to the minimum notch, then the shock absorber will be softer which is good for light loads. If the spring is adjusted to maximum notch, then it will be stiffer which is good for heavy loads.



Adjust the spring pre-load by shifting the adjuster to the required notch according to the different load conditions. The more you compress the spring, the suspension becomes more stiff.



TYRE TREAD CONDITION

Operating the vehicle with excessively worn tyres will decrease riding stability and can lead to loss of control. It is recommended to replace the tyre when the tyre wears off to the tyre wear indicator level (indicated by TWI (A) on the tyre).



TYRE ROTATION DIRECTION

While reassembling the tyres, after removing from the wheel rim, ensure that the arrow mark facing the direction of wheel rotation while fixing the tyre on the wheel rim

TYRE PUNCTURE

Your scooter is fitted with a tubeless tyre on both front and rear wheel. Incase of any puncture / tyre damage, it is advised to visit the nearest tyre manufacturer Dealer or the tyre repair shops who knows the repairing method of tubeless tyre.

It is not necessary to remove the tyre from wheel rim always to attend a puncture.

If there is need of tyre removal, it is strongly recommended to use a tyre removal / fitment machine.

If at all, tyre levers needs to be used, the levers should be free from sharp edges. Care should be taken not to damage the tyres and rims.

If there is a need to replace rear tyre, the same should be done at TVS Authorised Main Dealers equipped to service electric vehilces. This is must to avoid damage to the rear hub motor and ensure safety. Any damage caused to motor by servicing rear tyre in unauthorised location may lead to your traction motor warranty being voided.



The tyre inflation pressure in cold condition and the tyre tread condition are extremely important for the performance and safety of the rider. Check the tyres frequently for inflation pressure as well as the wear pattern on it.

Use of a tyre other than the standard may cause instability.

∧ Caution

The side walls of the tubeless tyre which in contact with the wheel rim are only seals the air inside the wheel assembly. Hence care should be taken not to damage the side walls of the tyres during removal /

Note

Tyre pressure is a very important parameter in the daily operation of the vehicle. In order to extract the best possible range and performance.

CURRENCY

Due to constant further development, there may be differences between these operating instructions and your vehicle. TVS Motor Company Limited cannot exclude the possibility of errors / misprints. Technical data, descriptions and illustrations may therefore differ from your vehicle and no further claims can be derived from this.

Bluetooth®

Bluetooth is a wireless technology for the immediate vicinity. As a rule, this connection is very stable, but interference can still occur. Several devices in the vicinity, or radio waves, can affect the connection and therefore interference-free operation is not quaranteed.

Headlights

Due to changing temperatures on the headlight (caused by driving in the rain or washing the vehicle), condensation may occur inside the headlight if the humidity is high. This can cause the headlight to temporarily fog up, but this does not constitute a warranty claim. If this condition is permanent, please contact one of our authorized dealers.

Battery care

If the battery charge level is too low, this should be avoided during longer periods of inactivity. If the range is less than 15 km (standing time longer than 2 weeks), the battery may be damaged. Check the charge status via the display and recharge the battery if necessary. The capacity of the battery will decrease over the period of use (reduced range); this is normal wear and tear. An excessive loss of battery capacity must be reported to one of our contractual partners in order to check a possible warranty claim.

Recycling

Do not discard it with household trash. Unusable battery must be disposed in environment friendly manner. When disposing of the battery/vehicle, we recommend visiting one of our contractual partners or a disposal station. The return and/or recycling is subject to the generally applicable laws of the respective country.

General information

The scope of equipment and accessories of your vehicle may vary depending on the national version and therefore deviations in the vehicle presentation are possible. No claims can be derived from this. All technical specifications are subject to a tolerance. Changes to equipment and accessories may occur in the course of further development due to the design.

WARRANTY INFORMATION

TVS Motor Company Limited ("the Company") provides this warranty for the TVS iQube Electric S manufactured by the Company.

Whilst the Company makes every effort to ensure the manufacturing quality of the iQube Electric S, the warranty is subject to further conditions:

For the first three years from the date of initial registration or during the first 30,000 km (battery 20,000 km) of mileage, whichever is earlier - the battery, motor, controller, charger and other vehicle parts covered by the warranty on which the Company has confirmed a manufacturing defect will be repaired or replaced free of charge.

The Company's obligations under this warranty are limited to repairing or replacing free of charge those parts of the vehicle which the Company has confirmed after inspection to have a manufacturing defect. In such cases, the Company will decide whether to repair or replace the affected parts. Where parts are replaced, the Company also reserves the right to fit parts of the same brand as the affected parts or of another brand used by the Company during the course of manufacture. All parts replaced under this warranty become the property of the Company and must be returned to the Company upon request.

Limitations of Warranty:

This warranty does not apply under the following conditions:

Natural wear and tear including aging.

Parts repaired or replaced under this warranty are warranted only for the remainder of the original warranty period.

The Company shall not be liable for delays in service due to causes beyond the control of the Company or its authorized dealers.

In no event shall the Company be liable for indirect, incidental, consequential or special damages. The Company may make changes or improvements to future production vehicles at any time without notice and without any obligation to upgrade or retrofit previously delivered vehicles accordingly. Claims under this warranty can only be asserted by the customer if the customer takes his vehicle to an authorized dealer of the company and reports the suspected problem with the vehicle to enable the authorized dealer to investigate the problem and determine the cause. Complete service at an authorized dealer, evidenced by service booklet or invoices. This is the only warranty provided by the company for the TVS iQube Electric S. No employee, dealer or other person is authorized to extend or renew this warranty.

For vehicles used commercially, please observe the separate warranty conditions.

Warning

Modifications to this vehicle not approved by TVS Motor Company may result in loss of performance and jeopardize the roadworthiness of the vehicle, which also excludes coverage under the warranty.

LIST OF PARTS NOT COVERED UNDER WARRANTY

ITEM	WHAT TO CHECK FOR
Normal Maintenance operations	Fastener re-tightening, brakes as well as other normal adjustments.
Wear and tear items	Brake linings, fasteners, shims, washers, etc.
Electrical	Bulbs and fuses.
Service Maintenance Parts	Brake fluid, fork oil etc.

Parts of the vehicle that are affected by weather/environmental influences (rust, peeling paint, etc.). However, depending on the condition of the vehicle, a warranty is granted for up to two years from the date of purchase.

- + Parts of the vehicle that have been tampered with, altered, repaired or replaced by persons not authorized by the company and which, at the sole discretion of the company, affect the performance of the vehicle.
- + Use of parts in conjunction with parts not manufactured or recommended by the Company.
- + Damage or consequential damage to parts due to accident, misuse, neglect, use of inferior lubricants or contaminated fuels, or failure to follow the guidelines and instructions in this manual.
- + Vehicles on which the engine number or chassis number has been defaced, damaged or altered.
- + Vehicles on which the warranty service of scheduled maintenance work has not been carried out when due (at the main dealer/authorized dealer of TVS Motor Company).
- + Vehicles used for racing or competition or other than for normal passenger transportation.
- + Vehicles that have been fitted with sidecars and other attachments.
- + Vehicles affected by natural disasters such as flooding, earthquake, tsunami, storm, etc.

TECHNICAL SPECIFICATIONS

MANUFACTURER : TVS MOTOR COMPANY LIMITED

P. B. No.4, Harita, Hosur - 635 109, India.

POWER TRAIN

TYRE

Type

: Plug in EV

Tyre size : Front

No. of batteries

: Li-ion · 2 Packs

Rear

: 90/90-12 54J (Tubeless) : 90/90-12 54J (Tubeless)

Rated voltage

52V

Tyre pressure:

Charger specifications *

500W Off Board charger 80% SOC - 8 hrs. (Approx) Front : 1.7 bar

Charging time **
Motor type

BLDC

Rear (Solo) :

Motor output power

Motor output torque

3.34 kW(Rated) 4.75 kW

: 140 Nm (Peak)

Rear (Dual)

(Peak)#

BRAKES

Front Drum / Disc

220 mm dia disc

2.3 har

· 25 har

Rear

Hand operated internally expanding shoe type,

130 mm dia drum

CHASSIS
Overall length

Overall width

: 1835 mm

: 690 mm

Overall height
Ground clearance

1195 mm

Wheel base

157 mm

Kerb weight

1301 mm

Pav load

119 kg

Maximum laden weight

130 kg

_

253 ka

Frame

Duplex tubular frame

Front suspension

Telescopic hydraulic type

Rear suspension

Hydraulic Twin tube shock

absorber

ILLUMINATION & TELL - TALES

Head lamp (High / Low)

: 13.5V, 13W / 8.5W LED

Position lamp

: 13.5V, 5.5W LED

Tail / brake lamp

13.5V, 0.4W / 2.1W LED

Turn signal lamp (F/R)

: 13.5V. 2.5W / 1.6W LED

Number plate lamp

: 5V. 2A

Hom

12V. 2.5A

- * Included charger specification/rating might vary. This is indicative of a typical offering.
- ** Rated time is with 500W charger when used with a 220V 50Hz sinusoidal AC input without interference. The charging duration might be higher or lower depending on the power rating, input voltage and battery capacity of the vehicle.
- # At component level.

INSTRUMENT CLUSTER

Power rating : 13.5V, 10W TFT

Display : 800 x 480

Display type : TFT

Luminous emittance : 1000 Lux

FUSES

DC-DC fuse : 58V, 5A Charger fuse : 58V, 40A

Ignition lock

Load fuse before

Load fuse after Ignition : 32V, 7.5A

lock

CAPACITIES

Range per charge : Up to 100 km at full

· 32V 10A

(ECO) charges

Front fork oil grade : Gabriel front fork fluid

Front fork oil capacity : $91 \pm 1 \text{ cc}$

Brake fluid : TVS (DOT 3 / DOT 4)

Top Speed : Around 78 km/h

Note

Specifications are subject to change without notice.

Warning

Using the bulb other than the specified rating can result in overloading of the electrical system or premature failure of the bulb and compromise safety of vehicle.

Real world range may vary with road, load, driving patterns and ageing of battery packs. The real range for the iQube and iQube S model is 100km under standard riding conditions, which consists of a solo rider of average weight (between 70 - 80kg, might be mentioned only if queried) riding on city roads in Eco mode without any extra payload. The standard conditions also involve the vehicle being used without brake and accelerator being applied together and the recommended tyre pressure being filled up. (cold tyre air pressure of 1,7 bar for Front and 2,3 bar for Rear tyre)

RECYCLING

Disposal of an End Of Life (EOL) vehicle

TVS recommends disposing of a vehicle that has reached the end of its useful life by taking it to a manufacturer designated receiving center for EOL vehicles. In general, the laws of the country in question apply for receiving and recycling of EOL vehicles. Information about recycling and sustainability can be viewed on the country specific websites of the manufacturer. Additional information can be obtained on request from your authorized TVS retailer or another qualified service partner, or from a specialist workshop.

Disposal of the rider's manual (in France)

Dispose of this rider's manual by depositing it in the container provided for the purpose.



Disposal of charger (in France)

Deposit the End-of-Life vehicle battery charger at an approved collection point for end-of-life electrical devices or submit at an authorized TVS dealer.



