Manuals+ — User Manuals Simplified.

Visteon J1AB Navigation Display module with BT connectivity User Manual

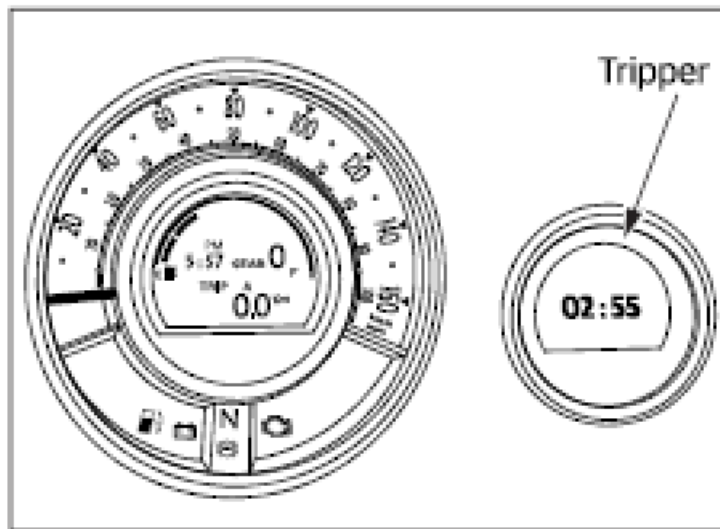**Contents**

OPERATION OF CONTROLS – TRIPPER

TRIPPER
Tripper is being provided to have turn by turn Navigation on motorcycles to help riders to have hassle-free riding without handling the smartphones! his device works based on Bluetooth connectivity with navigation search based on RE Mobile app with the support of Google Maps.
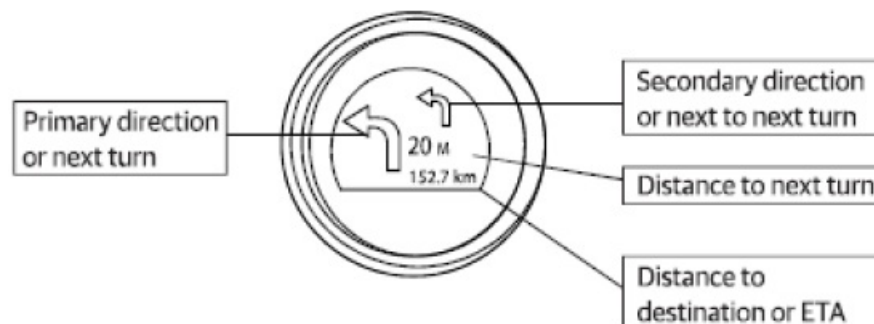The device is capable of showing turn-by-turn navigation on a custom-designed round color TFT with a uniquely designed arrow font designed intuitively for ease of riding.
Background display can be switched between day mode and night mode which can be selected by riders from RE Mobileapp.

Features:

- Turn by turn navigation with primary turn, secondary turn
- Distance to next turn, distance to destination, or Estimated Time of Arrival (ETA)
- Clock display (in case of no connectivity, no navigation input, or after destination is reached)
- Users can select day and night mode (through RE Mobile app only)
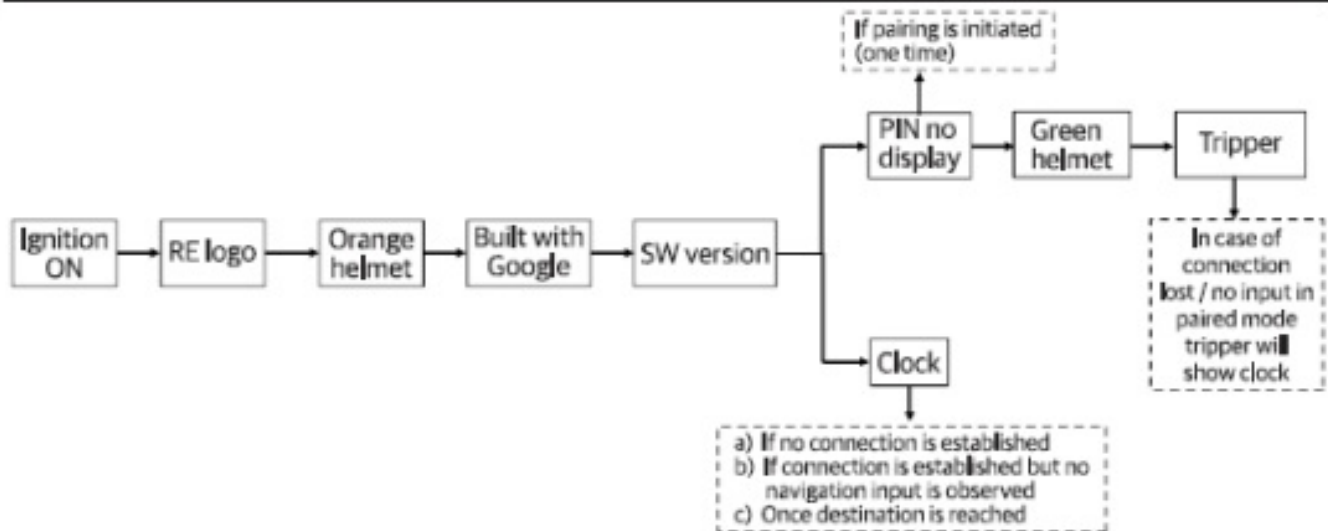- Low battery indication

- Primary direction or next turn: Indicates the next turn to be taken along the distance.
- Distance to next turn: This shows the distance to the next turn.
- Secondary direct on or next to next turn: Indicates the next turn to be taken after the primary direction, will be shown only when a primary turn is le_ss than 100 mts if there is no turn the display Nil be blank in this region.
- Distance to destination or ETA: Shows the total distance to destination or Estimated time of arrival (based on user selection from RE Mobile app).
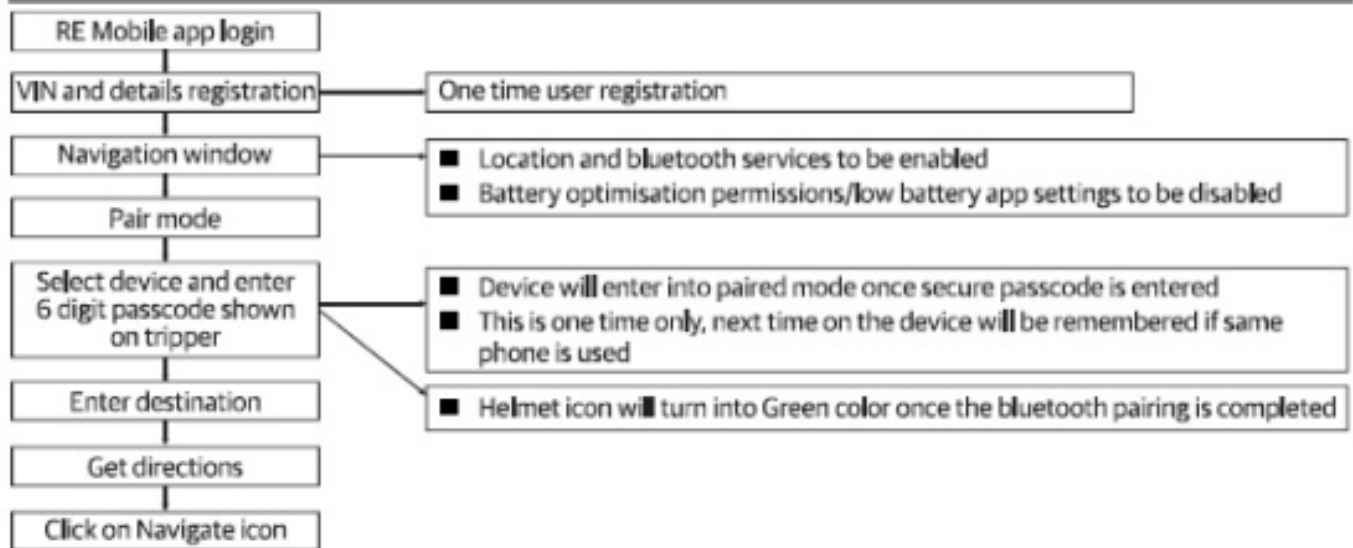
Smartphones Compatible Version to use RE Mobile app:

- Compatible with Android and i0S.
- And raid support: Current version 2.
- iOS support: Current version1.
- Connectivity control only rough RE Mobile app.

TRIPPER – DISPLAY FLOW SEQUENCE

```
                                                    If pairing is initiated
                                                    (one time)
                                                         ↑
                                              ┌──────────┐   ┌─────────┐   ┌─────────┐
                                              │ PIN no   │ → │ Green   │ → │ Tripper │
                                              │ display  │   │ helmet  │   │         │
                                              └──────────┘   └─────────┘   └─────────┘
                                                   ↑                            ↓
┌─────────┐   ┌────────┐   ┌─────────┐   ┌───────────┐   ┌────────────┐    In case of
│ Ignition│ → │ RE logo│ → │ Orange  │ → │ Built with│ → │ SW version │    connection
│ ON      │   │        │   │ helmet  │   │ Google    │   │            │    lost / no input in
└─────────┘   └────────┘   └─────────┘   └───────────┘   └────────────┘    paired mode
                                                               │           tripper will
                                                               ↓           show clock
                                                           ┌───────┐
                                                           │ Clock │
                                                           └───────┘
                                                               ↓
                                        a) If no connection is established
                                        b) If connection is established but no
                                           navigation input is observed
                                        c) Once destination is reached
```

RE MOBILE APP – CONNECTING SEQUENCE

```
┌────────────────────────────┐
│   RE Mobile app login      │
└────────────────────────────┘
             │
┌────────────────────────────┐       ┌──────────────────────────────────────────────────────────┐
│ VIN and details registration│──────│ One time user registration                                │
└────────────────────────────┘       └──────────────────────────────────────────────────────────┘
             │
┌────────────────────────────┐       ┌──────────────────────────────────────────────────────────┐
│   Navigation window        │───────│ ■ Location and bluetooth services to be enabled            │
└────────────────────────────┘       │ ■ Battery optimisation permissions/low battery app         │
             │                        │   settings to be disabled                                 │
┌────────────────────────────┐       └──────────────────────────────────────────────────────────┘
│        Pair mode           │
└────────────────────────────┘
             │
┌────────────────────────────┐       ┌──────────────────────────────────────────────────────────┐
│ Select device and enter    │───────│ ■ Device will enter into paired mode once secure passcode  │
│ 6 digit passcode shown     │       │   is entered                                              │
│ on tripper                 │       │ ■ This is one time only, next time on the device will be   │
└────────────────────────────┘       │   remembered if same phone is used                        │
             │        \              └──────────────────────────────────────────────────────────┘
┌────────────────────────────┐       ┌──────────────────────────────────────────────────────────┐
│    Enter destination       │       │ ■ Helmet icon will turn into Green color once the bluetooth │
└────────────────────────────┘       │   pairing is completed                                    │
             │                        └──────────────────────────────────────────────────────────┘
┌────────────────────────────┐
│      Get directions        │
└────────────────────────────┘
             │
┌────────────────────────────┐
│  Click on Navigate icon    │
└────────────────────────────┘
```

TURN BY TURN ARROW PROGRESSION SEQUENCE

SLA	Image Description	Day mode in a ge	Night mode image	Remarks
1	**When next turn or distance is greater than 500 meters**			**The image will be shown in orange color with solid-type**
2	**When the next turn is less than 500 meters**			**The image will be shown in red color** with a solid trip
3	When the next turn is less than **100 meters**			**Image wit be shown in red color with progressive fil in type 1 bar to 4 bar progression, secondary the image will be shown at this time**
4	**When a vehicle is at the** t „l **riling point**			**The image will be shown with 3 bar fill in or 4 bar fill in and flash before the next direction is shown**

SALE	Image Description	Day mode image	Night mode image	Remarks
5	**Destination reached**			**The image will be shown when the exact position of the destination started**
6	**Clock mode**			**Once the destination arrives, the image as shown in 51.no 5 will be displayed and then the device will enter into clock mode**

TM DISPLAY MIMES

SL	Image Description	Day mode image	Night mode image	Remarks
1	**Bluetooth connected**			**Indicates a tripper is connected with a smartphone**
2	**Bluetooth** disconnected			Indicates **tripper is not connected with smartphone**
3,	**Go straight ahead**			
4	Off-ramp **Right**			

SL	Image Description	Day mode image	Night mode image	Remarks
5	Off-ramp left			
6	Arrived at **destination**			**MI be shown when the rider has reached the destination**
N-	Arrived at the destination which is on the right side of the street			
	And at destination '.0·1 h **is on the left side** of t ··1·› **street**			

5LNo	Image Description	Day mode image	Night mode image	Remarks
al	**Merge at right**			
10	**Merge at left**			
11	**Fork right**			
12	**Fork left**			
13	**0 NRAMP_RIGHT**			

SL	Image Description	Day mode image	Night mode GH image	Remarks
14	ONRAMP_LEFT			
i. 1″) **fr.**	Roundabout (without exit number)			
15	**Roundabout (Take exit 1)**			Exit number can vary based on the selected route, mentioned exit to be taken (exit number up to ⁻9 ' Ind ic⁻died)
17	Turn left			
ig	Turn right			

SL	Image Description	Day mode image	Night mode image	remarks
19	**Turn sharp left**			
20	**Turn sharp right**			
21	**Turn slight left**			
22	**Turn slight right**			
23	**RA 1P**			

SL	Image Description	Day mode image	Night mode image	Remarks
1⁻A	Re-route indication			
	Onramp slight right			
t-N	**Onramp slight left**			
i	Ocwamp **sharp right**			
28	°**cramp sharp left**			

SL	Image Description	Day made image	Night tt mode image	Remarks
29	**Merge slight right**			
30	**Merge slight left**			
31	**Merge sharp right**			
32	Merge sharp left			
33	Fork slight right			

SL No	Image Description	Day mo& image	Night mode image	Remarks
34	Fork slight left			
35	Fork sharp right			
36	Fork sharp loft			
37	Keep left			
38	Keep right			

SL	Image Description	Day mode image	Night mode image	Remarks
39	Off-ramp slight right			
40	Off-ramp slight left			
41	Off-ramp sharp right			
42	Off-ramp sharp left			
43	Roundabout right (without exit number)			

SL No	Image Description	Day mode image	N OP mode image	Remark
44	Roundabout (take exit no)			**Exit number can vary** based on the **selected route, mentioned exit to be taken(exit number up to " 9 indicated)**
45	Continue straight			
46	U-Turn left			
47	U-Turn right			
48	Nearing the destination			

NOTE

- After every ignition " ON* cycle tripper will be in discoverable mode for 120 Secs.
- In case there is no connection established within 120 secs display \NM enter into dock mode, to re-initiate connection! ignition OFF-ON cycle to be repeated.
- aging navigation mode if there is no input from smartphone for 5 Secs, Bluetooth connection will be terminated to avoid power draw and will display clock.
- Wu tooth connection can be terminated by the end-user also closes the mobile application.
- For first-time pairing, the user needs to enter the secured pin shown on the tripper through the RE Mobile app to set up the device, after that auto-pa firing will happen if the same device is connected.
- Every time the tripper is paired the clock time veil sync with mobile time after which it will continue to run with the internal dock even in case of disconnection, there will be a time difference between the time shown on the instrument cluster and tripper – customer needs to update the duster dock inline with time shown on tripper as and when required as mentioned in push-button management of the cluster.
- Do not apply or use gasoline/petrol-related 9 al for cleaning or wiping on the instrument cluster or In Tri per as it may result in permanent damage to the same.

CAUTION

- Ensure 'piton is OM' and the display is in power while establishing a connection,
- Ensure first-time pairing is done in an isolated environment to avoid cross connections(one time).
- Day and night mode is user-selectable only, will not change over automatically to be selected during night driving to avoid rider dist practice on.
- Bluetooth connection can be established only through RE Mobileapp.
- Ensure Bluetooth and location settings are turned always "ON" before usage,
- Disable battery optimization settings low battery cut-off setting of smartphone for navigation to work in low battery mode.
- RE Mobile app works only with Android (Current version 2) arid iOS (Current Version 1) versions. for other lower versions, performance lag can be expected.
- The Tripper Bluetooth version is V4.2.
- RE Mobile app works with Bluetooth version 4.2 and N+1.0, for other lower versions performance lag can be expected.
- Check for network signal strength in case of navigation lag.
- Check for Data speed in case of navigation lag, Navigation system performance is better in the 4G band compared to other later versions,
- Calibrate mobile phones frequently for more GPS accuracy& location accuracy is dependent on.

Royal Enfield Meteor…………..

Documents / Resources

	Visteon J1AB Navigation Display module with BT connectivity [pdf] User Manual J1AB, NT8-J1AB, NT8J1AB, JDCP, NT8-JDCP, NT8JDCP, J1AB Navigation Display module with BT connectivity, Navigation Display module with BT connectivity, BT connectivity