

## **Diamond Knowledge Base**

### **Omega - Set Up & Data Retrieval**

The OMEGA is a counter that will start collecting timestamp data automatically. All you need to do is connect the road tube(s) and when the first vehicle that passes over the road tube in either direction will start collection and begin data storage.

The following steps will guide the user through manual set up and data retrieval.

**START RECORDING:** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

We recommend you verify the proper clock and calendar settings here, using magnetic touch points on the counter. Follow the prompts as given; ‘Set’ to the left, and ‘Next’ to the right. Set one item at a time. Select ‘Next’ and you will be taken to ‘Waiting for any vehicle’. You may toggle between VOLUME and PER VEHICLE studies at this point using your magnet and the left side of the Omega. Select ‘Next’ when this is decided. ‘Setup Complete’ will be the next item shown. Touching the left side of the counter at this time will ‘Abort’ this set up/study. Touching the right side will ‘Start’ the study and the Omega will begin recording data.

**SHOW STATUS (Not Collecting):** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

Touch magnet to right side of counter to activate. This will allow you to view the current battery level, both in numeric and graphic value; as well as estimated battery time remaining. Touch the right side again, and you will see the current available memory, both in numeric and graphic value; as well as estimated number of days available. Touch the right side again, and you will see the current internal temperature displayed in both F and C. Touch the right side again, and you will be taken back to the Status Menu.

**SHOW STATUS (Collecting):** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

(see above)

**VIEW TRAFFIC (while Collecting):** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

‘Waiting for vehicle’. The Omega is waiting for a vehicle to drive over the road tubes. You will also be allowed to toggle between Volume and Per Vehicle here. ‘Channel/Volume/Status’. You’ll see A and/or B channel, the number of hits and the tube status.

Now we’re back to the Main Menu again, and if you touch the right side of the Omega, you will be taken in to the File Menu.

**FILE MENU:** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

‘Files (new)’ Shows you the number of new, not-retrieved files ‘Memory used’ Shows you how many kilobytes of memory have been used in both a numeric value and a percentage point ‘Unit is recording’. Another right side touch and you will see an individual file listing showing: File Name, Date, Interval. One more right side touch, and you can take a deeper look at your studies

**DATA STUDY:** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

‘Site’ by name ‘Start’ date and time ‘Stop’ date and time, or to ‘Present’ if open and collecting ‘Size’ XXX kilobytes, plus the time interval

**FILES:** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

Touch the right side of the counter, and you will be shown the following information: Files (new) Number; Memory Used (XX kb) XX %; Unit is Recording! Touch the right side and you will be shown a list of files in the Omega. If more than four files are in memory, you will need to continue touching the right side until you see “Done”. This will return you to the Main Menu.

Touch the magnet to the right side of the Omega, and you will now be able to take a look at the traffic as the counter sees it.

**VIEW TRAFFIC:** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

Touching the right side of the Omega will display the Channel, Volume/Vehicle and Status. You may also now touch the left side of the counter and switch to a Vehicle view. A right side touch returns you to the Main Menu.

**SHOW STATUS:** (See above)

**STOP COLLECTING:** You may touch the left side of the counter to “back up” one step, or continue to touch the right side to advance one step.

Touch the right side to ‘Stop Collecting’ data. This will require a touch of the left side of the Omega to execute. This extra step is so that you do not accidentally erase your data study. Touch the right side of the counter to look at your study file. This will give you Site ID, Start and Stop time, as well as the file size. A second touch to the right side will show you the Grand Total, as well as separate totals for cars and trucks, and ADT. Touch the right side again, and you will be shown Avg Speed, peek Volume, peek Time and Class %. Touch the right side once again, and you will be taken back to the Main Menu, at ‘Show Status’.

**DIAGNOSTICS:** By touching ‘Change’ on the left side, you will be taken to the Diagnostics menu. A touch of the right side (Select) will allow you to view vehicles as they pass over the road tubes.

Touch the left side of the counter to toggle back and forth between 'Volume' and 'Vehicle'. Touch the right side (Next) and you will be taken back to the Main Menu.

SETTINGS: This is where you will be able to view, set and adjust your Clock, Display, USB Reset, Factory Reset; and Force USB Host Mode. Let's look at the Clock first.

CLOCK: Touch the right side of the counter (Select) and you will be able to see the Time, Date and Zone as it relates to your specific location/Time Zone. A touch to the left side (Set) allows you to make changes by following the prompts. Touch the right side (Exit) and you will return to the Settings Menu. DISPLAY: Touching Select will show you the Display Timers, including the Backlight and Timeout settings. Touch the left side (Set) to change, touch the right side (Exit) to go to the next step. USB RESET: Select this option and you will receive a warning prompt. Make sure this is something you absolutely want to do before proceeding. FACTORY RESET: Select this option and you will receive a warning prompt. Make sure this is something you absolutely want to do before proceeding. FORCE USB HOST MODE: Touching the right side of the counter will "enable" the USB host, allowing you to force communications via the USB ports. Touching either side with the display showing USB HOST... will return the OMEGA to the Settings menu.

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