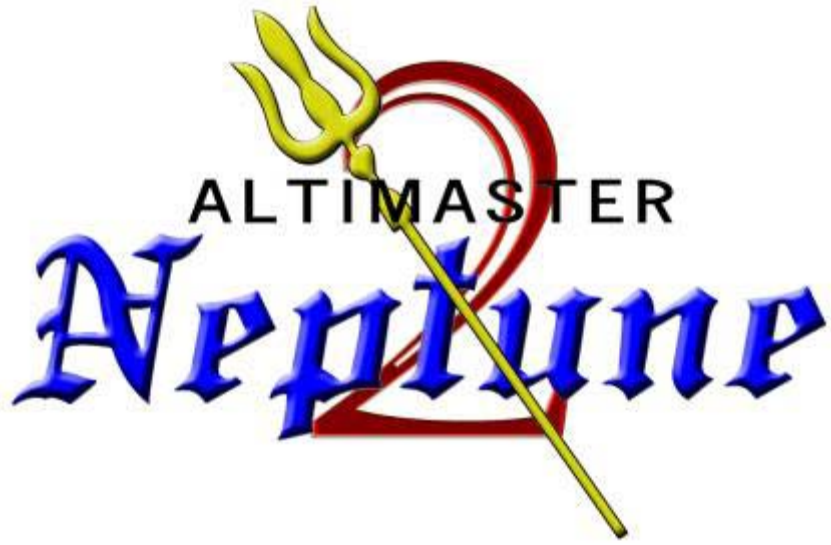


D-90086

ALTIMASTER NEPTUNE 2

USER MANUAL

Rev M

May 19, 2011

Warning: PARACHUTING IS A HAZARDOUS ACTIVITY THAT CAN RESULT IN INJURY OR DEATH.

An altimeter is a device subject to malfunction, even when properly designed, built, assembled, maintained, and used. Do not rely upon an altimeter for your safety. Your altimeter must only be considered as an aid when checking your altitude. A visual cross reference with the ground should be used in combination with any altimeter.

Scope

This manual describes the setup and operation of the Altimaster Neptune 2.

For information on the companion software the Neptune Maintenance Utility, see *D-90107 User Manual, NMU*.

Table of Contents

The Altimaster Neptune 2 is a versatile digital sports altimeter. Neptune 2 remembers 2,500 summary and 200 detailed logs including custom drop zone and aircraft names. You can customize each of the eight independent alarm groups to suit different types of jumps. Approach alarms are available under canopy, or you can customize the tone sequences using the companion software. Altitude, speed, and temperature measurement units can be set independently, making the Neptune 2 adaptable to the units of measure in use anywhere in the world. Neptune 2 is waterproof to six feet and it comes with all the accessories needed for a variety of mounting options.

Altimaster Neptune 2 is manufactured exclusively by Alti-2, Incorporated.

This guide supports the most current version of Neptune 2 firmware ONLY.

To check your Neptune 2's current firmware version, go to **Menu > Demo Mode > Show Screens.** The second screen will show both the serial and version numbers. Be sure to exit the demo by pressing the middle key until you see a screen that says **Demo Finished. Press any key to continue.**

Altimaster Neptune 2	
Overall Dimensions	1.69” x 2.49” x .55”
Weight:	1.2 oz (without mount)
Temperature	-20 deg C to +60 deg C
Max Depth (Waterproofing)	6 feet 1 hour
Body Material	Polycarbonate
Battery Type	DL2450

Firmware Updates

Just as your personal computer programs are regularly updated, you should keep your Neptune 2 up to date. Not only will you get the latest features, but also regular system updates that will help keep your Neptune 2 running smoothly. Firmware updates are always free.

Firmware updates are provided via the Neptune Maintenance Utility (NMU).

For Neptune 2 firmware updates, go to http://forum.altimaster.com/ and download the latest NMU.

The Neptune 2 and the Neptune Maintenance Utility (NMU) have a considerable number of options and facilities covering alarm settings, log book, manual mode, DZ and AC names, contrast, flip, backlight, etc. There are hundreds of combinations of settings, and it is impossible to cover each one in detail. We have attempted to cover the basics of all functions, however, if you have ANY problems or questions, please call or e-mail us. We will do our best to help you get the most out of your Neptune 2.

386-943-9333
info@alti-2.com

Our support forum is very active; we highly recommend joining us there:
http://forum.altimaster.com

Altimaster Field Support

Our global network of Altimaster Field Support members can assist you with many things:

- Update your Neptune 2
- Help you set up your computer to do updates yourself
- Provide spare parts for any Altimaster altimeter
- Act as a direct link between you and us
- Troubleshoot problems you are having with any Altimaster product

You can find Altimaster Field Support members on drop zones around the world. A complete list of our current Altimaster Field Support members is online:
http://forum.altimaster.com/forumdisplay.php?f=23

If you are interested in joining us, please visit our info page and send us an e-mail telling us why!

Remove the two screws securing the battery cover using a Phillips screwdriver.

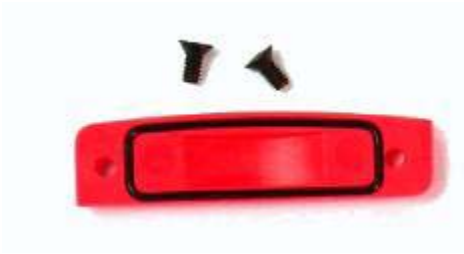
Be careful not to lose the O ring.

Insert one type Duracell DL2450 (or equivalent) battery.

Two batteries are provided; one is a spare.

The battery should only be inserted with the "+" side up, i.e. toward the buttons.

Do not allow metal of any kind to come in contact with the battery, and do not allow two batteries to touch each other.



The Neptune 2 will only be waterproof if you fit the o-ring into the groove in the battery cover.

You may wish to use silicon grease or petroleum jelly to help hold the o-ring in the grove.

If you never jump near water you can leave the o-ring out.

Replace the two screws, but DO NOT OVERTIGHTEN! This can crack the battery cover and cause the unit to lose water resistance.

The basics…

- The top and bottom buttons – up and down, increase and decrease
- The middle button – select and go back

The details…

- The menu scrolls and wraps. So, once you scroll and reach the end of the menu items it wraps and goes back to the first item in the menu
- Use the top and bottom buttons to go up and down within a menu
- Use the top and bottom buttons to increase or decrease a value
- Holding the top or bottom buttons causes their action to repeat, except in the Jump Log
- In the Jump Log, press and hold the top button to view a previous jump; press and hold the bottom button to view the next jump
- To select an item press the middle button and release
- To go back to the previous screen press the middle button and hold it until the screen changes

If you wish to use your Neptune 2 as a visual altimeter, we suggest you use the hand mount provided.

We also suggest that you use Armor 2 when using Neptune 2 as a visual altimeter.

Lay the hand mount across the back of the Neptune 2. Line up the four holes with the threaded inserts in the back of the Neptune 2 and insert the screws provided, with the washers between the fabric and the screws.

You may use Loctite to hold the screws securely in place.

If you wish to wear your Neptune 2 on your wrist, use the wrist mount provided.

The fabric wrist mount is attached to the back of the Neptune 2 in the same way as the hand mount. The narrow wrist strap is then fed through the channel in the wrist mount.

Metal backplates were previously issued with the Neptune. Do NOT use a backplate alone with the narrow wrist strap; this setup will crack the display!

If you wish to use your Neptune 2 as an external audible altimeter, use the helmet clip and tie wraps provided.

Using the **Flip LCD** function, the Neptune 2 can be fitted with the buttons in either direction, on either side of your helmet. Use the tie wraps to attach the clip to your helmet in the desired position, keeping the speaker hole and speaker aligned.

Align the Neptune 2's speaker with the speaker hole in the helmet clip. Failure to do so may result in inaudible alarms.

The Neptune 2 is snapped into the clip.

The clip is designed to fit in a recess as shown. If mounted on a non-recessed helmet, we suggest that a rubber band be fitted around the clip to prevent the Neptune 2 from sliding out.

Menu > Clk/Timers > Set Time

On the Menu screen, scroll to and select **Clk/Timers**.

Scroll to and select **Set Time**.

The hours, minutes and seconds appear highlighted.

Press the middle button to select the hours, minutes, or seconds.

To change a value, use the top and bottom buttons.

Press the middle button to scroll to and select **OK** to save the new time setting.

If you don't want to make this change, scroll to and select **Cancel**.

Menu > Clk/Timers > Set Date

On the Menu screen, scroll to and select **Clk/Timers**.

Select **Set Date**.

The year, month, and day appear highlighted.

Press the middle button to select the year, month or day.

To change a value, use the top and bottom buttons.

Press the middle button to scroll to and select **OK** to save the new time setting.

If you don't want to make this change, scroll to and select **Cancel**.

Menu > Log Admin > Set Next Jump

On the Menu screen, scroll to and select **Log Admin**.

Press the middle button to select.

The cursor automatically highlights the next jump number.

Press the middle button to select the place value you wish to change.

Use the top and bottom buttons to change the value.

Once you have the desired jump number, use the middle button to scroll to and select **OK**.

Your new **Next Jump Number** will be displayed on the Log Admin Screen.

To go back to the Menu screen press and hold the middle button.

Set Total Freefall Time

Menu > Log Admin > FFTime

The Neptune 2 calculates and displays your accumulated freefall time. If you need to adjust this figure, use the steps below.

On the Menu screen, scroll to and select **Log Admin**.

Scroll to and select **FFTime**.

Press the middle button to begin changing the accumulated time.

Use the top and bottom buttons to change the number of hours. Press the middle button to move on to the minutes, and so forth.

Select **OK** to save your settings, or scroll to and select **Cancel** to undo your changes.

Menu > Log Admin > CPTime

On the Menu screen, scroll to and select **Log Admin**.

Scroll to and select **CPTime**.

Press the middle button to begin changing the accumulated time.

Use the top and bottom buttons to change the number of hours. Press the middle button to move on to the minutes, and so forth.

Select **OK** to save your settings, or scroll to and select **Cancel** to undo your changes.

Menu > IR Connect

The Neptune 2 has a built in IrDA compliant infrared port which provides a wireless link to your PC.

The Infrared (IR) port allows:

- Neptune 2 software to be updated
- You to load custom settings from the NMU. (see NMU Overview)
- The log book to be downloaded to Paralog

Many laptop computers have IR ports built in. If you do not have a native IR port, you can get serial or USB adapters inexpensively. There is no dedicated Neptune 2 cradle or interface; any commercial IR port that is IrDA approved is acceptable for use with the Neptune 2.

An IR port and/or computer is not necessary to operate your Neptune 2. It is necessary for using Neptune 2 with the NMU, software updates, and downloading your logbook to Paralog.

Neptune 2's IR port.

From the Menu screen scroll to and select **Ir Connect**.

Neptune 2 will search for a remote connection. Once connected, follow the instructions on the screen of your computer to conduct your IR session.

Main Menu > Alarms

The Neptune 2 has eight groups of programmable alarms, each with three individually selectable alarm altitudes.

There are two types of alarms from which to choose: freefall and canopy. You may have one freefall alarm group and one canopy alarm group enabled at the same time.

On the Ground screen there is a symbol indicating what kinds of alarms are enabled.

Freefall and Canopy Alarms On

On the Ground screen, the underlined alarm icon (musical note) indicates that freefall and canopy alarms are activated.

Freefall and Canopy Alarms Off

You should disable alarms if you are using your Neptune 2 as a visual altimeter. The alarm icon will change on the Ground screen to show that the alarms have been disabled.

Only Freefall Alarms On

The alarm icon without underline indicates that only freefall alarms are activated.

Only Canopy Alarms On

The canopy alarm is indicated with the abbreviation CNP.

Main Menu > Alarms

To navigate to the selections that control these options, scroll down the Alarms menu past Edit Alarms.

To disable all alarms, select **Disable All Alrms** from this screen.

To Enable / Disable Freefall Alarms

Select **Enable FF Alrm** or **Disable FF Alrm**.

To Enable / Disable Canopy Alarms

Select **Enable CP Alrm** or **Disable CP Alrm**.

Canopy Alarm Volume Level

This shows the alarm volume level set to the loudest setting.

CAUTION: Don't use this setting if your Neptune 2 is in your helmet.

This shows the alarm volume level set to normal.

Use the middle button to toggle between these two settings.

Main Menu > Alarms

When you enter the Alarms menu, the currently active freefall and canopy alarm groups and the pre-set alarm altitudes will appear.

Scroll to and select **Edit Alarms**.

To change the altitudes of a group, select it from the list.

The Neptune 2 comes with the alarm group names set to FF1, FF2, FF3, FF4, Swoop1, Swoop2, Swoop3, and Swoop4. If you set up different names with the NMU, they will be shown here. If you use Format NVRAM, this list will return to the factory default.

Scroll to and select the altitude you want to change.

Press the middle button to start the process of changing the altitude.

Use the top and bottom buttons to change the alarm altitude. Once the desired altitude is displayed, press the middle button to highlight **OK**.

Repeat the process for the other alarm altitudes and once all values are set, scroll to and select **Save**. The new alarm settings are now active.

Freefall Alarm Altitude Spacing

Freefall alarms may be set no closer than 500 feet / 150 metres.

The first freefall alarm may not be set at more the 20,000 feet / 6095 metres.

Altitudes are adjustable in 100 foot / 30 metre increments.

The third freefall alarm is the “hard deck” alarm. It may not be set lower than 1000 feet / 300 metres.

These rules affect the range of choices that the Neptune 2 gives you. For example, if the third alarm is set for 1500 feet, and the first alarm is set for 4500 feet, the second alarm is adjustable from 2000 to 4000 feet, in 100 foot increments.

Canopy Alarm Altitude Spacing

Canopy alarms may be set no closer than 100 feet / 30 metres.

The first canopy alarm may not be set at more the 20,000 feet / 6095 metres.

Altitudes are adjustable in 10 foot / 5 metre increments.

The third canopy alarm may not be set lower than 100 feet / 30 metres.

For example, if the third alarm is set for 600 feet, and the first alarm is set for 1500 feet, the second alarm is adjustable from 700 to 1400 feet, in 10 foot increments.

The canopy alarms start sounding 150 feet / 50 metres before the altitude you set. The tone finishes sounding just as you reach the set altitude.

Menu -> Alarms -> Edit Alarms -> Selected Alarm -> Type

Each of the eight alarm groups can be set to either the Freefall or Canopy type.

On the Menu screen, scroll to and select **Alarms**.

Scroll to and select **Edit Alarms**.

To change the type of a group, select it from the list.

Scroll to and select the line with **Type:**. Pressing the middle button toggles the type back and forth. You will be asked to confirm your choice.

Remember to scroll to and select **Save**.

Or, scroll to and select **Cancel** to prevent the change from taking effect.

Menu -> Logbook

Every time your Neptune 2 logs a jump, it increments the odometer and total jump counts, and records a summary of the jump that you can review right on the screen, as well as a profile. You can download the summaries and profiles to a computer. Up to 2500 summaries can be stored, and 200 profiles.

Each summary shows the date and time of the jump, the total freefall and canopy times, exit and deployment altitudes, the average speed, the speeds at four altitudes, and more.

The speeds shown in each summary are calculated at four altitude ranges, called Speed Bands. The altitudes of the bands are normally 12,000, 9,000, 6,000 and 3,000 feet, starting 500 feet before each altitude, but can be changed using the NMU.

While viewing the jump summaries:

- Hold the top button to get to the previous jump
- Hold the bottom button to get to the next jump

Each profile is a detailed record of a jump. Profile data cannot be viewed directly on the Neptune 2, nor can you see profile data directly using NMU. The Neptune 2 stores the 200 most recent jump profiles. Paralog uses profile data to make calculations, and to create graphs and charts.

Menu -> Logbook -> View

On the Menu screen, scroll to and select **Logbook**, then select **View** to see the first summary screen.

The first summary screen shows jump number, date, time, alarm group settings and exit altitude.

Press the bottom button to get to the second View screen.

The second summary screen shows deployment altitude, freefall and canopy time, average speed, and the first two speed band values.

Press the bottom button to get to the third View screen.

The third summary screen shows all four speed band values, the drop zone, and the aircraft used.

Hold the middle button to return to the Logbook screen.

Press the top button to return to the second Summary screen.

Or, hold the top button to go to the first Summary screen of the previous jump.

Or, hold the bottom button to go to the first Summary screen of the next jump.

Menu -> Logbook -> GoTo

On the Menu screen, scroll to and select **Logbook**.

Scroll to and select **GoTo**.

Press the middle button to begin changing the jump number.

Use the top and bottom buttons to change the number, then use the middle button to advance to the next place value.

Select **OK** to go to this jump.

Or, scroll to and select **Cancel** to go back to the Logbook screen without changing the current jump number.

Menu -> Logbook -> Del

On the Menu screen, scroll to and select **Logbook**.

If the jump number shown is not the jump you want to delete, use the **GoTo** function (see previous page) to navigate to the desired jump.

Scroll to and select **Del**.

Select **OK** to delete this jump.

Or, scroll to and select **Cancel** to avoid deleting this jump.

Menu > Log Admin > Odometer

Every time you log a jump, the odometer increments.

You might want to reset it at the beginning of a weekend of jumping. Follow the steps below to reset the odometer.

On the Menu screen, scroll to and select **Log Admin**.

Scroll to and select **ODomtr**.

To reset the odometer to zero, select **OK**.

Or, scroll to and select **Cancel** to prevent the change from taking effect.

Menu > DZ / AC Setup > Select DZ

The NMU allows you to list up to 32 drop zone names and load them into your Neptune 2.

Once the drop zone names are loaded into your Neptune 2, you can select the drop zone for the next jump. Your logs will reflect the selected drop zone.

On the Menu screen, scroll to and select **DZ/AC Setup**.

Scroll to and select **Select DZ**.

The currently selected DZ Name will appear. Press any button. Your Neptune 2 moves to the next screen.

The default list or the list of DZ names that you loaded from the NMU will appear.

Scroll to and select the desired DZ name. The selected DZ name will appear on all future logs.

Menu > DZ / AC Setup > Select AC

The NMU allows you to list up to 32 aircraft names and load them into your Neptune 2.

Once the aircraft names are loaded into your Neptune 2, you can select the aircraft for the next jump. Your logs will reflect the selected aircraft name.

On the Menu screen, scroll to and select **DZ/AC Setup**.

Scroll to and select **Select AC**.

The currently selected AC Name will appear. Press any button. Your Neptune 2 moves to the next screen.

The default list or the list of AC names that you loaded from the NMU will appear.

Scroll to and select the desired AC name. The selected AC name will appear on all future logs.

Menu > Clk/Timers > Set Load Timer

Set an alarm to remind you that your next load is ready to go.

After you select **Clk/Timers** from the Menu screen, scroll to and select **Set Load Timer**.

The minutes appear highlighted.

Press the middle button to select.

Use the top and bottom buttons to change the number to the desired countdown time.

When you have the desired number of minutes displayed, press the middle button.

Select **OK** to save the new timer setting.

Or, scroll to and select **Cancel** to exit without saving your changes.

Menu > Clk/Timers > Set Alarm Clock

After selecting **Clk/Timers** from the Menu screen, scroll to and select **Set Alarm Clk**.

The hours and minutes appear highlighted. Press the middle button to select hours.

Note: the time is always set in 24 hour format.

Use the top and bottom buttons to change the hours.

Press the middle button to move on to minutes.

Use the top and bottom buttons to change the minutes.

Press the middle button to complete the time selection.

Select **OK** and save the new alarm clock setting.

Or, scroll to and select **Cancel** to exit without saving your changes.

Menu > Clk/Timers > Set Sleep Timer

Setting the Sleep Timer allows you to turn your Neptune 2 off for a specified number of hours.

On the Menu screen, scroll to and select **Clk/Timers**.

Select **Set Sleep Timer**.

Press the middle button to start the process.

Use the top and bottom buttons to adjust the number of hours.

Use the middle button to scroll to **OK**.

Or, scroll to and select **Cancel** to abort setting the sleep timer.

SLEEP

On the Ground Screen you will see the **SLeep** icon displayed once your Neptune 2 is in Sleep Mode.

The screen will go blank after one minute.

Menu > Display Opt > Chg. Contrast > Inc. / Dec.

On the Menu screen, scroll to and select **Display Opt**.

Scroll to and select **Chg. Contrast**.

Initially, the **Inc. Contrast** option is selected.

Press and hold the middle button to increase the contrast level.

To decrease contrast, scroll to **Dec. Contrast**.

Press and hold the middle button to decrease the contrast level.

Scroll to and select **OK** to save the new contrast setting.

Or, scroll to and select **Cancel** to exit without saving your changes.

Menu > Display Opt > Backlight Off

An electroluminescent backlight is included for night jumps. The back light will only illuminate continuously during freefall and under canopy. Since the backlight is a heavy drain on the battery charge, we recommend that you leave it *disabled* unless you are actually making a night jump. We recommend using a fresh battery before every night jump to ensure that your Neptune 2 will have full power throughout your entire jump. Please be advised that the alarms and backlight cannot operate simultaneously. **Therefore, if on a night jump and using the Neptune 2 as a visual altimeter, the alarms must be disabled in order for the backlight to remain on throughout the entire jump. If the alarms are not disabled, the backlight will go out each time an alarm sounds (freefall and canopy alarm groups).**

On the Menu screen, scroll to and select **Display Opt**.

The current state (if the backlight function is on or off) will be displayed.

This screen shows that the backlight function is off.

This screen shows that the backlight function is on.

On the Ground Screen, this symbol indicates the backlight function is on.

Menu > Display Opt > Flip LCD

If you want to wear your Neptune 2 on your opposite hand, flip the display so that the menu and buttons appear as desired.

On the Menu screen, scroll to and select **Display Opt**.

Scroll to and select **Flip LCD**.

The display is now re-oriented.

Menu > Display Opt > 12/24Hr Time Fmt

On the Menu screen, scroll to and select **Display Opt**.

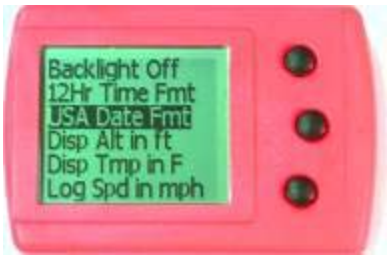
The current setting appears. Press the middle button to change it.

This screen shows that the time displays in **12hr** format.

This screen shows that the time displays in **24hr** format.

Menu > Display Opt > USA Date Fmt / Intl Date Fmt

On the Menu screen, scroll to and select **Display Opt**.



Scroll to **USA/Int. Date Fmt**.

The current setting appears.

This screen shows that the date appears in the **USA** format.

This screen shows that the date appears in the **International** format.

Menu > Display Opt > Disp Alt in (ft/m)

On the Menu screen, scroll to and select **Display Opt**.

Scroll to **Disp Alt in ft/m**.

The current setting appears.

This screen shows that altitudes appear in **Feet**.

This screen shows that the altitudes appear in **Metres**.

Menu > Display Opt > Disp Tmp (F/C)

On the Menu screen, scroll to and select **Display Opt**.

Scroll to **Disp Tmp in F/C**.

The current setting appears.

This screen shows that temperature appears in degrees **Fahrenheit**.

This screen shows that temperature appears in degrees **Celsius**.

Menu > Display Opt > Log Spd in mph/kmh

On the Menu screen, scroll to and select **Display Opt**.

Scroll to **Log Spd in mph/kmh**.

The current setting appears.

This screen shows that the speed appears in **mph**.

This screen shows that the speed appears in **kmh**.

Menu > Demo Mode > Alarms

Demo Mode allows you to hear the alarm tone associated with each alarm altitude.

If you have customized any of the alarm tones using the NMU, you can hear the custom tones using Demo Mode. The hard deck alarm, **Alarm3**, is always a constant tone.

Demo Mode also provides you with a set of screens designed to illustrate what you see when your Neptune 2 starts up, as well as what you see during a jump.

On the Menu screen, scroll to and select **Demo Mode**.

Scroll to and select the alarm tone you wish to hear.

Alarm1 is the first alarm you hear in a jump sequence.

Menu > Demo Mode > Show Screens

On the Menu screen, scroll to and select **Demo Mode**.

To see a demonstration of what your Neptune 2 will look like during a normal jump, select **Show Screens**.

Pressing any key will advance you through all screens of the Demo Jump.

You will see, in this order:

- Boot up logo
- Your Neptune 2 serial number & software version
- Ground screen
- Altitude
- Climb Mode
- Freefall
- Canopy

Menu > Training

When you select any of the simulations, your Neptune 2 will display a screen that looks like Freefall Mode, starting at exit altitude. At deployment altitude, it will switch to a Canopy Mode screen, and descend according to the selected training speed.

Training Mode allows you to simulate three types of jumps: High Speed Malfunction, Low Speed Malfunction & Normal Jump.

CAUTION: Use Training Mode for ground training only.

On the Menu screen, scroll to and select **Training**.

Scroll to the simulation you wish to run.

The simulation begins when you press the middle button to select it.

Menu > Manual Mode

In Manual Mode your Neptune 2 performs as a simple visual altimeter. The display will NOT time out after 30 minutes. Jumps will not be logged. Alarms will NOT sound. You cannot connect to NMU while in Manual Mode.

When you start Manual Mode you are asked to enter the current altitude.

On the Menu screen, scroll to and select **Manual Mode**.

Press the middle button to select the place value you wish to change. Use the top and bottom buttons to change the value. Use the middle button to select the next place value.

When you press the middle button while on the rightmost number, the selected altitude is displayed and **OK** appears highlighted.

Once you have set the desired altitude, use the middle button to select **OK**.

Or, use the bottom button to scroll to **Cancel** and return to the main menu.

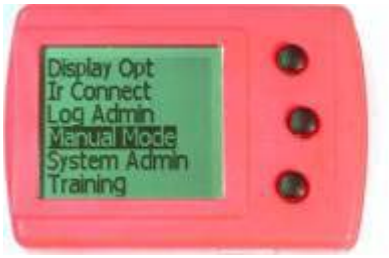
In Manual Mode, your Neptune 2 displays the current altitude and **MAN** appears in the bottom left corner of the screen.

Menu > Cancel Manual

Once you enter Manual Mode your Neptune 2 remains in that mode until you cancel it.

Automatic functions will resume; the display will again time out after 30 minutes.

Press the bottom button to enter the **Menu**.



On the Menu screen scroll to and select **Manual Mode**.

Select **OK** to cancel Manual Mode.

If you select **Cancel**, your Neptune 2 returns to the main menu as shown.

In order to return to the altitude screen, press and hold the middle button at this screen.

Menu > DZ/AC Setup > Set DZ Offset

If you take off from one place but jump into another place at a different elevation, you can use the DZ Offset function so that your Neptune 2 shows the correct altitude during your skydive.

On the Menu screen, scroll to and select **DZ/AC Setup**.

Select **Set DZ Offset**.

The altitude appears highlighted.

Press the middle button to select the thousands place. Use the top and bottom buttons to change the value displayed.

Press the middle button to select the hundred, then the tens and ones places, adjusting the values as desired.

Once the target altitude is set, use the top and bottom buttons to select if the target DZ is lower or higher.

Confirm your choice by pressing the middle button.

This screen shows that the target DZ is 100 feet lower than takeoff.

DZO

Once you confirm your offset, the Ground Screen will show you the DZ Offset to the right of this symbol.

Menu > DZ/AC Setup > Zero DZ Offset

On the Menu screen, scroll to and select **DZ/AC Setup**.

Scroll to and select **Zero DZ Offset**.

The Ground Screen will appear and no DZ Offset will show on the screen.

Menu > DZ/AC Setup > Im on Gnd

If your Neptune 2 reports climbing when you are in fact on the ground, follow the steps below.

Telling your Neptune 2 that you are on the ground is useful if, for example, you drive up a hill and then get in the aircraft a short time later. The unit may not have updated the DZ altitude since climbing the hill. Selecting **Im on Gnd** causes the unit to fix the DZ at the current altitude. It will then continue to update as normal.

On the Menu screen, scroll to and select **DZ/AC Setup**.

Scroll to and select **Im on Gnd**. After selecting, you will return to the Ground screen.

Menu > DZ/AC Setup > Im on a Jmp

Use the **I'm on a Jump** function to keep your Neptune 2 in its regular skydive sequence. For example, if you climb very slowly to a low altitude, then hold for several minutes to wait for weather, your Neptune 2 may think you are not in a skydiving aircraft, and reset to Ground Mode.

On the Menu screen, scroll to and select **DZ/AC Setup**.

Scroll to and select **Im on a Jmp**.

Menu > Log Admin > Del All Logs

To empty your logbook, follow the steps below.

The next jump number will be set to one, the odometer will be reset, drop zones and aircraft types marked used will now be unmarked, and the accumulated freefall and canopy times will be set to zero.

No other settings are affected. Your alarm setup remains the same.

If you want to clear ALL the settings while deleting the logbook, use the **Format NVRAM** function on the **System Admin** menu.

On the Menu screen, scroll to and select **Log Admin**.

Scroll to and select **Del All Logs**.

To confirm that you want to delete the logbook, select **OK**.

If you changed your mind, scroll to and select **Cancel** and your Neptune 2 will return to the **Log Admin** menu.

Disable/Enable Logging

Menu > Log Admin > Enable/Disable Logs

On the Menu screen, scroll to and select **Log Admin**.

If logging is enabled, **Disable Logs** will appear at the bottom; otherwise, **Enable Logs** will appear.

To change the current setting, scroll to and select **Disable Logs** or **Enable Logs**.

This picture shows the current setting of Enabled.

Selecting **OK** will cause logging to be disabled.

Scroll to and select **Cancel** if you want logging to continue.

This picture shows the current setting of Disabled.

Selecting **Enable Logs**, and then **OK** on the next screen, will cause logging to start with the next jump.

Scroll to and select **Cancel** if you do not want logging to start.

On the Ground Screen, you see this symbol if logging is enabled.

Or, you see this symbol if logging is disabled.

Menu > System Admin > Format NVRAM

Formatting NVRAM:

1. Clears the jump log
2. Sets Next Jump Number to 1
3. Sets factory defaults for all settings
4. Validates the process for reading and writing the memory where the jump logs and settings are kept.

On the Menu screen, scroll to and select **System Admin**.

Select **Format NVRAM**.

Select **OK** to start the process. There will be a brief delay while your Neptune 2 performs this action. Your Neptune 2 returns to the **System Admin** menu.

Or, select **Cancel** to abort the choice and return to the **System Admin** menu.

Menu > System Admin > Show Status

If you happen to have a performance issue with your Neptune 2, during a call or email dialog with Alti-2 Customer Support we may ask you to read the numbers listed on the **Show Status** screen. This will assist us with diagnosing the problem.

On the Menu screen, scroll to and select **System Admin**.

Select **Show Status**.

This screen shows the battery status details that help Alti-2 Customer Support evaluate the performance of your Neptune 2.

Press and hold the middle button until your Neptune 2 returns to the **System Admin** menu.

CAUTION: Salt deposits must be removed from the filter after submersion in salt water. Failure to remove salt deposits may lead to the filter becoming blocked and serious lag may occur in freefall as a result.

To remove salt deposits, submerge the altimeter in clean fresh water for approximately 10 minutes. Agitate occasionally. Remove from water, shake off excess, and allow to air dry.

Do NOT touch the filter. Doing so may cause irreparable damage to your Neptune 2.

The speaker cavity is sealed internally. If water comes out of that area, keep shaking until there appears to be no more water in the speaker cavity.

If your Neptune 2 behaves abnormally or unusually, discontinue use IMMEDIATELY and contact Alti-2.

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Return Merchandise Authorization (RMA) may be obtained from our web site:

http://www.alti-2.com/customer support/repairs.htm

Disassembly

The Neptune 2 cannot be disassembled by the user. Unless specifically described here, all maintenance on a Neptune 2 should be performed by Alti-2 Inc.

General Cleaning

Wipe Neptune 2 with a damp cloth.

Warning: PARACHUTING IS A HAZARDOUS ACTIVITY THAT CAN RESULT IN INJURY OR DEATH.

An altimeter is a device subject to malfunction, even when properly designed, built, assembled, maintained, and used. Do not rely upon an altimeter for your safety. Your altimeter must only be considered as an aid when checking your altitude. A visual cross reference with the ground should be used in combination with any altimeter.