



www.amieiramarina.com
 geral@amieiramarina.com

Affilié 

Amieira Marina
 7220-999 Amieira
 Portugal

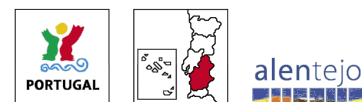
Telf.: +351 266 611 173
 Móvel +351 938 321 925
 Fax: +351 266 611 063

www.amieiramarina.com
 geral@amieiramarina.com

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User's Handbook

ENGLISH



AMIEIRA MARINA

Empresa de Animação Turística - Alvará 26/2007

RIVER TOURISM AT ITS BEST!

Com o apoio:





USER'S HANDBOOK

RIVER TOURISM AT ITS BEST!



Dear Client,

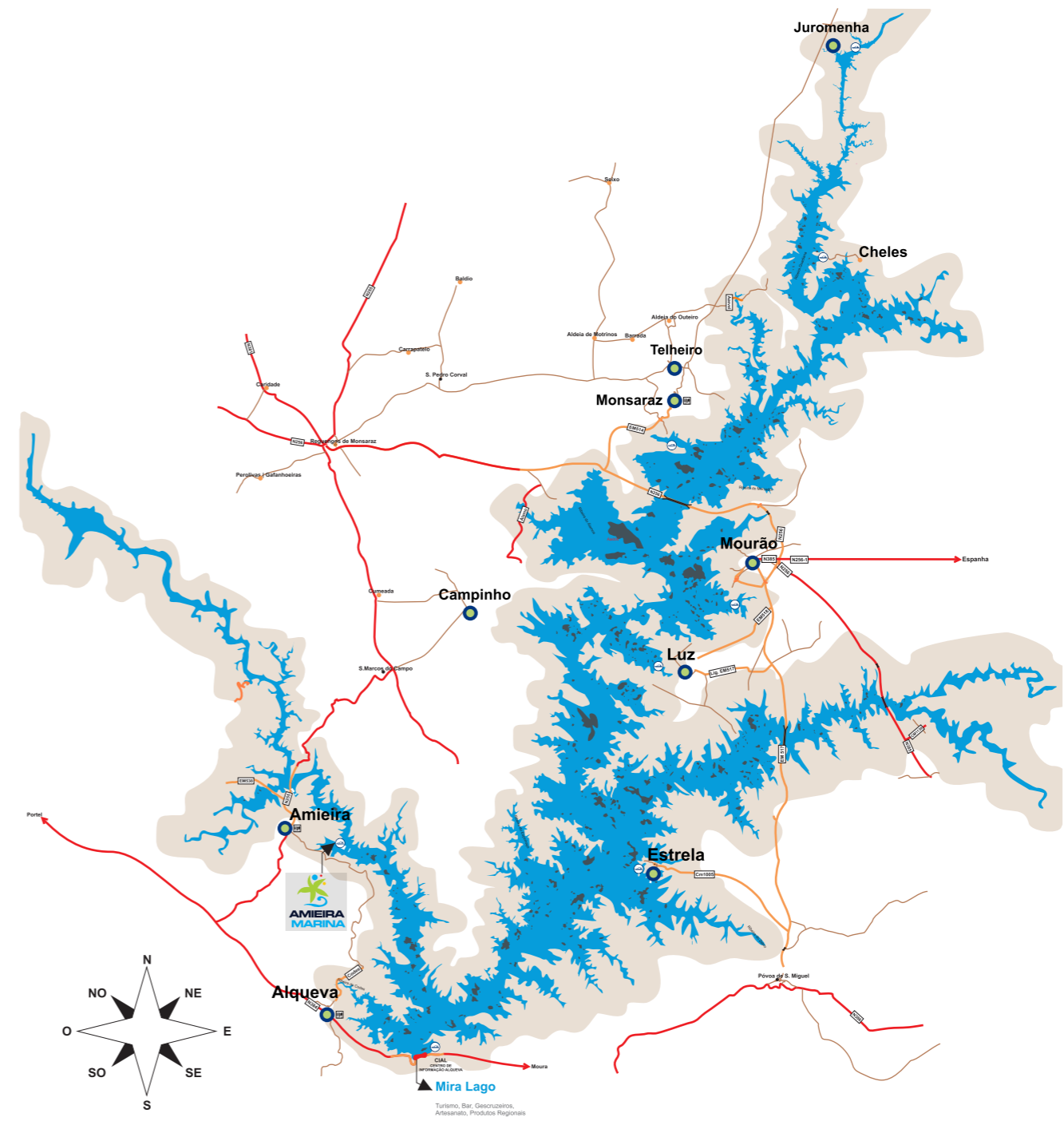
You have chosen for cruising, a boat from Amieira Marina. Amieira Marina hopes you will have a very pleasant cruise.

To make your cruise even more enjoyable, we advise you to read this handbook before you set out.

This handbook is organised by the chronological order of a cruise: preparation and advice from your departure until your return to the marina.

We wish you a good reading and an excellent stay on board one of our boats.












Amieira Marina









Affilié 

Chapter 7 WATERWAY SIGNS

Obligation signs

- | | |
|---|---|
|  | B1 Follow the indicated direction |
|  | B2a Follow the indicated direction |
|  | B2b Follow the indicated direction |
|  | B3a Remain on the left side |
|  | B3b Remain on the right side |
|  | B4a Change side as indicated |
|  | B4b Change side as indicated |
|  | B5 Stop |
|  | B6 Maximum speed 15 km/h |
|  | B7 Sound your horn |
|  | B8 Be especially careful |

Horn signals

- | | |
|---|---|
|  | Attention (4 seconds) |
|  | I'm coming towards starboard (1 second) |
|  | I'm coming towards port |
|  | I'm going into reverse |
|  | I'm out of control |
|  | Danger of collision |

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Chapter 1

LIFE ON BOARD FROM ... A to Z

You'll be able to leave your worries behind and let yourself go, discovering the fauna, flora and enchanting villages that you can visit either by bicycle or on foot... You will find an atmosphere of total calm to assure a restful holiday.

Animals

They are welcome on board along with their feeding bowl, blanket, etc... Watch over their safety and make sure they cause no harm or damage to the boat or at the mooring locations.

Barbecue

When barbecuing your meat or fish, please remember to take proper precautions and to respect the local by-laws, especially in regard to safety and fire hazards. Never light the barbecue on board and give preference to the gas barbecue ... good appetite!

Bicycles

A little bit of exercise... You'll be able to enjoy bicycle trips to discover nature or do some shopping. Beware that they are not stolen (each boat has its own bicycle repair kit and a lock); while on the boat, keep them securely attached with the proper material, which we provide. In case of loss or theft, each bike will be charged, please ask for conditions at your departure base. For children's security, helmets must be worn (bring your own equipment if you wish).

Bridges

Pay attention to the signs in the area or even at the bridges.

Cell Phones

The boat is provided with an 8W signal cell phone. As such, you can use your own SIM card all over the "Grande Lago" (Great Lake), making and receiving calls whenever you like.

Children

Boys and girls are welcome on board. The boats are fully protected but you should always look after the children and the use of proper lifeguard vest is recommended. Accidents can always happen, as such, pay all the attention necessary.

Driving is forbidden for people under 18 years of age. If you let one of your children drive, you must stay near them, they are your responsibility.

Cleaning Kit

A cleaning Kit is provided, consisting of the most necessary items (matches, rubbish bag, washing-up liquid, bucket, broom...)

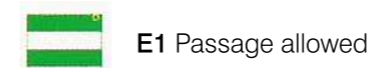
Clothes

Bring practical and comfortable easy-to-clean clothes. Don't forget a thick pullover and waterproof clothing in case of cool weather or rain, and of course swimming wear for sun-bathing as you drift along.

Chapter 7

WATERWAY SIGNS

Indication signs



E1 Passage allowed



E2 Electric cable crossing



E4 Ferry crossing with cable



E5 Stopping allowed



E6 Anchoring allowed



E7 Mooring allowed



E8 Turning point



E9a



E9b



E9c

E9a E9b E9c Main waterway secondary waterway



E10a

E10a E10b This waterway is a tributary of the approaching waterway



E11 End of restriction of obligation



E13 Potable water



E14 Phone box for boat-users

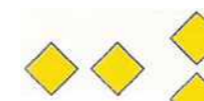


E15 Water-skiing course

Recommendation signs



D1a Passage allowed in both directions



D1b One way only, allowed for you.



D2 Passage requested through the marked space



D3 Recommended direction

Restriction signs



C1 Limited depth



C2 Limited height above the water level



C3 Limited width



C4 Special limitation



C5 The channel is located at the indicated distance from the bank

Prohibition signs



A1 Navigation forbidden



A1b Passage forbidden except for small engineless crafts



A2 Overtaking and crossing forbidden



A3 Forbidden to overtake in line



A4 Overtaking and crossing forbidden



A10 Passage forbidden outside marked space



A5 Parking forbidden



A6 Anchoring forbidden



A7 Anchoring forbidden



A8 Turning forbidden



A9 Forbidden to create waves

Chapter 6

YACHTSMAN GLOSSARY

Boathook - It's a long wooden or metal pole with a hook in one end. Use it when coming alongside or leave the locks, to facilitate manoeuvring and avoid collisions.

Bow - Front of the boat.

Cleat - Metal piece on the boat to which mooring ropes can be attached. Generally, boats have two cleats at rear and one or two in the front.

Descending/down streaming - boat navigating towards the river mouth, that is, going with the current.

Draft - it's the vertical distance between the lowest part of a boat (generally the keel) and the waterline. This distance corresponds to the minimum depth of the navigation zones. As such, you should always consider a margin of discount for possible irregularities in the bottom of the lake.

Fender - Oval or round shaped protection around the boat to protect it from knocks.

Lowest water level - lowest level of the waterway

Mooring bollard - cylindrical piece of metal or concrete, set in a bank or quay, for mooring purposes.

Port - left side of the boat, when facing the front of the boat.

Starboard - Right side of the boat when facing the front of the boat.

Stern - Rear of the boat.

To go astern - Put the boat into reverse gear in order to stop it.

Upper reach - Highest point of the river or lake.

Waist rail - strip of rubber or wood around the hull for protective purposes. All boats are equipped with more than one.

Chapter 1

LIFE ON BOARD FROM ... A to Z

Documents

Before you leave home make sure you bring a passport or other valid identity card, your driving licence and all your car documents, a copy of your and your families insurance as well as any other document you may need in case of disease/accident.

First aid

Each boat has a first aid kit which contains plasters, compress, etc, but no pills. In case of using it, don't forget to inform someone at the base when you arrive, so that we can replace it.

Fishermen

Polite behaviour on all sides will avoid unpleasant situations. Therefore, we advise you to maintain a considerable distance from other boats and to reduce speed avoiding waves and scaring the fish.

Fishing

You can practice fish in the "Grande Lago", but you will need to require previously a fishing licence in the nearest official bureau. If you wish, we can do that for you if you send us a copy of your identification and 25,00€ in advance. Bring all the fishing material or rent a Kit from us...we wish you a good fishing!

Gastronomy

If you enjoy good gastronomy don't hesitate to visit the different restaurants all around the "Grande Lago". Amieira Marina can suggest some of them at your departure. Ask us about the possibility of a free transfer from the quay to those restaurants. Don't forget to make restaurant reservations at least 3 hours in advance.

Hair drier

Try not to overcharge the electric system of the boat. Let the wind dry your hair.

Heating

During your cruise make the most of the natural shade, protect yourself from the sun and enjoy the breeze. If it is winter and some warming is needed, the boats are equipped with heating system.

Inventory

A list recapitulating all external equipment on your boat as well as internal equipment (kitchen, household, bedding, safety, etc) should be given to you separately. Don't hesitate to ask for it if it has been forgotten.

Leisure/confort

Bring sun and insect protection (lotion, sun glasses and hat). Bring some books, crosswords, a pack of cards and board games for your entertainment in the evening. The boats are equipped with radio/CD, TV and DVD Player, so don't hesitate on bringing your favourite music, game or film.

Remember to bring a pair of gloves to manipulate the ropes, a pair of binoculars to observe all sorts of animals which will also be very useful for reading navigational signs. Don't forget your camera because the landscapes, villages and animals you will see, certainly deserve to be in your photo-album.

Linen

Bring your own. If you forget we can always arrange a kit for you for 5,00 € each ...

Luggage

It's better to bring soft bags because suitcases take up a lot of space in the boat. If you prefer, unpack them when embarking and leave them in the car.

Chapter 1

LIFE ON BOARD FROM ... A to Z

Nature

If you want to feel totally free and even closer to nature, you can do so... Enjoy the environment, observe the lake's fauna and flora, take the secondary routes and look for small bays and islands... just be sure you don't leave anything behind.

Provisions

As far as food is concerned, bring enough for the first day. Later on you can shop in the villages.

Razor

Your peaceful holiday in the heart of nature will allow you to re-discover the pleasures of wet-shaving as the boat is not equipped for electric razors. Or, like all captains, you can grow a beard...

Rubbish

Bring some bin-bags which you can drop into bins at ports or near villages. Don't pollute the lake, protect nature.

Shoes

Bring comfortable non-slip shoes, like trainers for example, so that you can walk easily and of course, avoid heels, metal tips and all other slippery-soled shoes on the boat.

Sleeping-bags

Our boats are equipped with warm duvets (or blankets) but for those who are particularly cold feel free to bring your own.

Speed

These are leisure cruises, as such, they move at a speed of approximately 10 KM/h...enjoy the landscape!

Swimming

On your journey you will come across favourable and accessible places for swimming. Don't hesitate to take a refreshing dip! Pay special attention to the banks, check that the engine is switched off and take out the key in order to avoid an accident with the propeller.

All boats are equipped with a bathing ladder and bridge shower.

Chapter 5

NAVIGATION ADVICE

DISTANCE (minutos)	Amieira (village)	Amieira Marina	Alqueva Dam(quay)	Alqueva (village)	Estrela (village)	Alcarrache	Luz (village)	Mourão (small town)	Monsaraz (small town)	Cheles (bar)	Juromenha (village)
Amieira (village)		0:33	1:44	2:14	3:04	6:08	4:19	4:39	5:32	6:51	9:49
Amieira Marina	0:33		1:07	1:50	2:34	5:35	3:46	4:06	4:59	6:18	9:16
Alqueva Dam(quay)	1:44	1:07		0:48	1:40	4:42	2:52	3:13	4:06	5:25	8:23
Alqueva (village)	2:14	1:50	0:48		1:58	5:21	3:31	3:52	4:45	6:04	9:02
Estrela (village)	3:04	2:34	1:40	1:58		3:44	1:39	1:53	3:08	4:26	7:25
Alcarrache	6:08	5:35	4:42	5:21	3:44		4:29	4:47	2:39	3:58	6:56
Luz (village)	4:19	3:46	2:52	3:31	1:39	4:29		0:58	1:51	3:10	6:17
Mourão (small town)	4:39	4:06	3:13	3:52	1:53	4:47	0:58		1:22	2:41	5:39
Monsaraz (small town)	5:32	4:59	4:06	4:45	3:08	2:39	1:51	1:22		2:37	4:37
Cheles (bar)	6:51	6:18	5:25	6:04	4:26	3:58	3:10	2:41	2:37		2:58
Juromenha (village)	9:49	9:16	8:23	9:02	7:25	6:56	6:17	5:39	4:37	2:58	

RETURNING TO THE BASE

We would be grateful if you deliver your boat at the scheduled time so that we can clean it and prepare it for the next crew.

To this end, we advise you to return to base on the eve of your return date.

Bring back all borrowed or rented equipment.

Prepare the payment for the fuel.

After going through the inventory, we will return the deposit if the boat and its equipment are delivered clean and working properly, at the time and place agreed. Amieira Marina sincerely hopes you will be satisfied with our services and that this cruise allows you to relax among friends or family, to discover a region of Portugal you didn't know, and to enjoy the wonders of water-way travel.

To improve our service and make your holidays even more pleasant, don't forget to fill in the customer questionnaire.

Chapter 2

ARRIVAL AT THE BASE

ATTENTION

Don't forget to call Amieira marina 48 hours before your arrival to reconfirm the itinerary and the predicted timetable.

If for any reason you cannot arrive to the base during opening hours, please let us know so that suitable preparations can be made.

Formalities

You have been dreaming about this cruise for weeks. Just a little patience and you'll be able to embark. We only ask you to go through a few formalities, which are vital for your departure and for the success of your holidays.

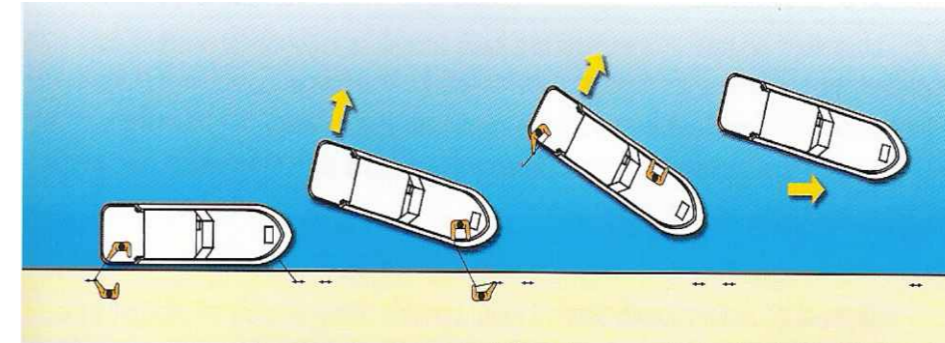
- Show your invoice or voucher at the base reception. If you paid by credit transfer or visa, don't forget to bring a proof of payment which you can present in case of any problem.
- You can leave the deposit in cash, cheque or visa. At some bases, two cheques will be required, one for the insurance deposit and one for the cleaning deposit.
- Make whatever rentals you want: bicycles, garage or parking, animals, vehicle transfer if required, waterways map/guide, kayaks, canoes, fishing material, etc...
- If you are expecting mail or urgent messages during your cruise, tell the staff. Give us your mobile number before the departure so that we can contact you.
- Now you just have to get your luggage on board and park your car. Our bases have garages or car-parks. The company accepts no responsibility in case of any damage done to your car.
- Check if the equipment on board corresponds to the inventory you received. Point out immediately any possible errors.
- Your boat will be ready from at the designated time. Get on board and get ready, the cruise is about to start!

Do not leave the base of departure without:
 - having had a demonstration by a member of the base staff
 - having had any instruction, if necessary.

Chapter 5

NAVIGATION ADVICE

To leave the berth, untie your mooring-rope, move the stern into the deeper part to protect the propeller, then let go and off you go. Roll up your mooring ropes and don't forget your mooring pegs.



WHERE TO SPEND THE NIGHT

Choosing the spot to spend the night is very important. You can choose to spend the night near a village quay. In that case, by the end of the day we advise you to go to an Amiera Marina mooring buoy (they are identified) which are close to the quay, putting a mooring rope across the buoy. You will have more privacy and you keep the quay free for any manoeuvres that might bother you at the beginning of the day.

Depending on each person's taste, you may find it even more appropriate to choose an isolated and sheltered spot by the banks or at any islet.

When approaching land, you will proceed as explained in MOORING, always bearing in mind to choose a spot sheltered from possible strong winds and where the wind blows from land to water. In this way it is much easier to leave the berth the next day. If this is your choice, you can then set the ramp for easier access to land.

MOORING ROPES

They will be very handy during your cruise, for moorings and to manoeuvre the boat. Never wind them around your wrist.

They should be well wound up clockwise and be always ready for use. Make sure they never get caught up in the propeller. To avoid this, never let them trail behind the boat.



NAVIGATION CANAL

You should follow the navigable zone indicated on the maps and GPS, to avoid any danger. The pre-defined routes were tested and don't present any danger to navigation, as such, you just have to follow them. Any time you leave these GPS pre-defined routes, you should pay special attention to the sonar, because only through it will you be able to notice any dangerous spots like submerged obstacles or reduced depth.

Chapter 5

NAVIGATION ADVICE

ANCHOR

All boats are equipped with two anchors for safety reasons. In no case should it be a method of mooring. Use it just in case of emergency. In case of engine failure, throw the anchor overboard, letting the anchor line go (chain + mooring rope + anchor).

You should not use the anchor to stop in the middle of the lake or to come alongside, because the bottom of the lake might have some bushes and the anchor might get stuck and its removal is very difficult.

MANOEUVERS

Forget your driver reflexes:

	Car	Boat
Break	Yes	No
Gear change	Yes	No
Review mirror	Yes	No
Wind factor	Weak	Very important

Use the wind and the current to ease the manoeuvres.

Always manoeuvre calmly.

Use forward gear to move on and the reverse to break.

Be patient and courteous.

Distances and travel times chart

DISTANCE (Km)	Amieira (village)	Amieira Marina	Alqueva Dam(quay)	Alqueva (village)	Estrela (village)	Luz (village)	Mourão (small town)	Monsaraz (small town)	Cheles (bar)	Juromenha (village)
Amieira (village)		5,5	17,4	23,9	31,1	43,1	46,5	55,4	68,5	98,2
Amieira Marina	5,5		11,9	18,4	25,6	37,6	41	49,9	63	92,7
Alqueva Dam(quay)	17,4	11,9		8	16,7	28,7	32,1	41	54,1	83,8
Alqueva (village)	23,9	18,4	8		19,7	35,2	38,6	47,5	60,6	90,3
Estrela (village)	31,1	25,6	16,7	19,7		16,5	18,9	31,3	44,4	74,1
Luz (village)	43,1	37,6	28,7	35,2	16,5		9,6	18,5	31,6	62,8
Mourão (small town)	46,5	41	32,1	38,6	18,9	9,6		13,7	26,8	56,5
Monsaraz (small town)	55,4	49,9	41	47,5	31,3	18,5	13,7		26,1	46,2
Cheles (bar)	68,5	63	54,1	60,6	44,4	31,6	26,8	26,1		29,7
Juromenha (village)	98,2	92,7	83,8	90,3	74,1	62,8	56,5	46,2	29,7	

Chapter 1

LIFE ON BOARD FROM ... A to Z

Technical incident/accident

Despite all the safety precautions present on the boat, accidents can happen, alert your base. Don't make any repairs without consulting us. Fill in the accident report given to you before your departure. Make a note of the name and address of the captain of the other boat, also of witnesses and the name of the other captain's company. Wait until the base manager arrives before signing the accident report form. In case of stranding, inform the base giving the most precise information about your location. Check your coordinates in the GPS system as well as the nearest signalling buoy.

Theft

When you leave the boat, don't forget to lock it up and padlock all bicycles. Don't leave anything in sight. If anything left in sight is stolen, its value will be charged to you.

Waterways map/guide

If you want to study and prepare your route before setting off, order a map/guide. You will find on it information about the villages, cultural heritage, tourist curiosities, etc...

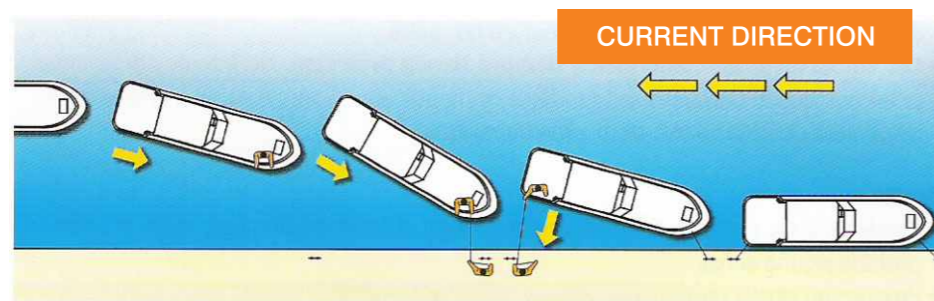
Chapter 5

NAVIGATION ADVICE

COMING ALONGSIDE

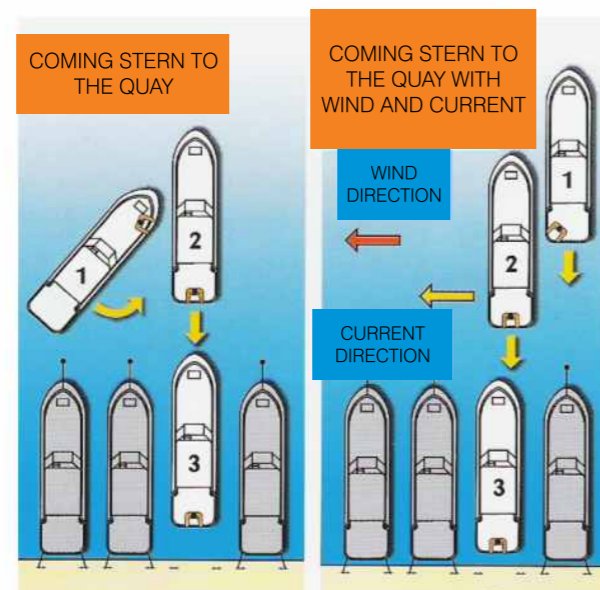
When coming alongside parallel to the quay or bank:

- Always manoeuvre at a very low speed because the boat takes time to respond and reverse gear is your only brake.
- Always do the manoeuvre in front: make sure there are no underwater obstacles preventing you to moor. Never use your feet or legs to slow the boat because of the severe risk of accident.
- Once the front of the boat has made contact with the bank, one crewmember jumps onto the bank with the mooring-rope, ties it, and ties the rear mooring-rope which you have thrown them.



When coming stern to the quay

- Approach as close as possible to the place you wish to moor, turn according to the wind or current and finish in reverse gear.
- Make sure that the depth is enough at the quay to avoid any hidden danger (tree stump, rock...) that can damage the hull or propeller.



In case of wind

- Moor on the windward side
- At night, turn the stern against the wind
- Don't tighten the mooring ropes too much

Chapter 3

DOMESTIC OPERATION OF THE BOAT

For your cruise to run under the best possible conditions here is a little advice concerning the operation of the boat and its equipment.

Remember that before you leave the base, the manager will be available for any further information you may need.

FIRE EXTINGUISHERS

Be sure to check where they are before you start your cruise. If you use any hire extinguishers don't forget to inform the base when you return.

FRIDGE

The fridge works on electric energy. The electric energy is supplied both by an electric plug at the quay or by batteries when you're sailing. In the summer, when it is really hot, we advise you not to open it constantly and not to fill it completely. Try to fill it with previous cooled food and beverages.

Near the fridge there's a power converter which supplies energy by an electric cable when you're at the marina (position 1 Quay) and when sailing to keep your equipment working with batteries (position 2 Batteries). The converter has an on/off switch which is to activate/deactivate the gadget.

The converter's green light indicates the operating mode:

Off: there is no tension, equipment deactivated.

On: there is tension, equipment activated.

Intermittent:

- - - - - There is no tension (standby)

- - - - - Tension has been cut by the alarm; when the tension goes back to normal the converter will start working again.



For correct operation of the fridge, the boat's engine must run at least 4 hours a day, either on standby or sailing. If not, the 3 batteries may completely discharge. In that case, you will hear a bip-bip caused by the alarm and the fridge will turn off. If that happens during the day, you just have to start the boat's engine to recharge the batteries. If it happens during the night and is not convenient to start the engine, put the converter in the position O and avoid opening the fridge/freezer until morning. By then you should put the converter in the position 1 Batteries and then start the engine.

FUEL

You should take all the necessary precautions when handling fuel:

- Don't smoke when you are filling in the tanks
- Don't store any inflammable materials near the tanks
- In case of using petrol, do it by the banks and never on the boats

GAS

Our boats are equipped with 2 bottles of gas "Butane" which can last different periods of time depending on the season and the use of the heating system: from 1 to 3 weeks per bottle. The gas supplies the heating system, the oven, the stove and the barbecue. If you run out of gas during your cruise, you should replace the empty bottle for one of the same brand. In case of difficulty, contact us and we will provide it for you.

To replace an empty bottle, you have to turn it off, unscrew the relief valve (careful: not a left-hand thread) and screw it onto the new bottle, which you then turn on. Check for leaks.

Chapter 3 DOMESTIC OPERATION OF THE BOAT

Some boats are fitted with a coupler which connects the 2 bottles of gas. When one bottle is empty, turn the coupler tap towards the second bottle (normally the coupler will switch back from the empty bottle to the full bottle).

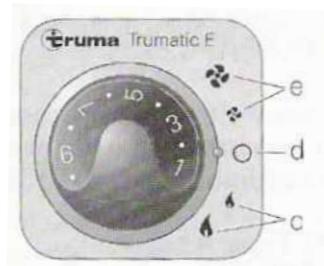
This is not dangerous if a few elementary precautions are taken:

- Don't let the gas leak;
- Don't leave the stove on without surveillance;
- Keep the boat ventilated;
- If you smell gas, stop the engine, turn off the gas and phone our base. Don't light matches and don't smoke.

HEATING

All our boats are fitted with gas fuelled pulsed-air. The heating. Controls are on the boat's control panel and their operation is simple:

- To turn on the heating: select the wanted position (c - **flame symbol**: big flame - maximum heating; small flame - minimum heating);
- To turn on the ventilation: select the wanted position (e - **fan symbol**: big fan - maximum ventilation; small fan - minimum ventilation)
- To turn off: select position d.



ATTENTION!
Never leave your boat with the heating on.
Make sure the air circulates well in heated cabins.
Heating uses a lot of gas!

HOT WATER

It is supplied from the heat of the engine. The water reservoir has from 20 to 100 litres. The engine has to run over 15 minutes to 1 hour to provide hot water.

LIGHTING

Your boat has sufficient overhead lights with switches. If one of these lights does not work or any of the electrically-operated services does not work (water pump, shower drainage, etc...) check if the battery switches located in the rear cabin and in the external area, under the terrace, are in the right position.

NON-DRINKABLE WATER

The boats are provided with a direct pump system over the waters of the lake. Non-drinkable water is used for sanitary purposes. In the kitchen you will find both water supply systems, it's up to you to choose the most suitable for the purpose, always having in mind the management of drinkable water resources.

DRINKABLE WATER

The boats are equipped with an 800 to 900 litres reservoir of drinkable water according to the model. In case of need (long stays) you can top up your water reservoir at the marina.

To do this the boat is equipped with a water-pipe and a water-key to open the filler cap. When you fill up the water tank make sure the cap is the one near the front of the boat and is marked "EAU" or "WATER".

Drinkable water is distributed to the taps by an electric pump fed by the battery. Remember to switch off the pump when you no longer need the water. The switch can be found on the boat's control panel.

Chapter 5 NAVIGATION ADVICE

GENERAL

In this handbook you will find the main signs, which you will come across during your cruise. Learn them by heart: respecting these signs, because will contribute to your and other clients' safety.

Your boat's maximum speed is around 10km/h

What a delight to travel gently across the waters of the lake and to discover the surrounding nature. Many have forgotten this pleasure...

It is forbidden to navigate after sunset.

When you're alone, you can navigate in the middle of the routes, but when you came across other boat, you must circulate by the right.

Commercial boats always have priority over you. Do not try to overtake them (unless the pilot signals you to do so), especially when approaching a quay: you are on holiday but they have to work.

PLANNING

Before your cruise, you will be given a map of the region, which is a plan of the lake, the villages by the water, tourist spots, the quays, the mooring spots, advised routes, the navigation buoys and a village guide "Lakeside Villages Guide".

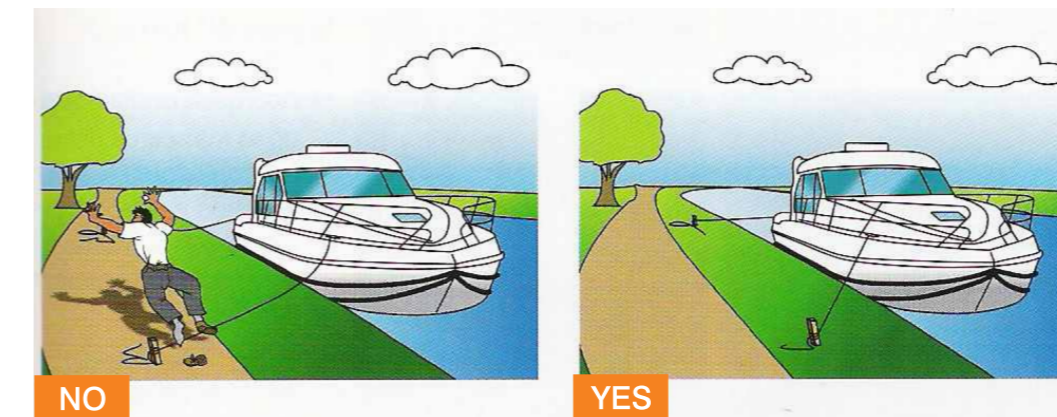
This guide has the map of the accessible villages indicating the tourist attractions and the available services, enabling you easy access everywhere.

For you to plan your cruise day-to-day, at the end of this chapter you will find two tables where you can consult the distance and the time between the different spots of interest. The distance and time calculations were based on the GPS safety routes and the duration time of the trips were calculated at a speed of 10km/hour.

MOORING

You may moor wherever you like unless a mooring sign forbids you.

When you moor at a village quay, you should leave the people and goods, but never leave the boat abandoned, because the quay might be needed for other boats. Therefore, you should leave the boat nearby. To moor your boat you should use the 2 mooring pegs you will find aboard.



Every Amieira Marina House-Boat is equipped with GPS and Sonar, therefore, secure navigation conditions are guaranteed in the “Grande Lago”, assuming that the captain’s navigation is carefully done, following the safety route marked in the GPS cartography.

Every time that, consciously or not, the boat gets out of the safety route on GPS Cartography, the captain should be particularly careful in observing the information given by the Sonar, as it is the only guarantee that the boat will not run ashore in a shallow bellow the water line.

When a run ashore occurs out of the safety route and the client request a tow for that boat, the client has to pay the tow operations expenses. These expenses are variable following the distance between the House-Boat and the nearest assistance point enlarges:

Towing boat use fee: 40 €/hour
Labour fee: 25 €/hour

(Fuel not included)

The fees referred don’t include occasional damage caused to the House-Boat. Those should be guaranteed by the boat’s insurance included in the bail deposited in the beginning of the cruise.

Chapter 4 MECHANICAL OPERATION OF THE BOAT

STARTING-UP

Before starting-up, make sure the manual “STOP” control is in the pressed position. Check also that the engine is not in gear (use the engine clutch button). Switch on the contact key respecting the pre-heating of the engine.

Very important!
Each time you start-up, make sure the engine cooling water is coming out of the exhaust. If not, switch off immediately and telephone your base.

SWITCHING OFF THE ENGINE

Check if the control level (forward and reverse) is in neutral (engine de-clutched). Then pull the stop handle towards you until the engine stops completely. Turn off the ignition either by turning the key anti-clockwise or by pressing the ignition button. Don't forget to push the engine “stop” button, for the next start-up!

Chapter 3 DOMESTIC OPERATION OF THE BOAT

If the water doesn't run: check if you have run out of water. If you have, refill the tank. It may be necessary to bleed the pipes when you refill; to do this turn on all the taps and switch on the pump. Turn off the taps when the water starts to run again.

If the water still doesn't run even with a full reservoir: check if the fuse in front of the switch is in good condition. It may need to be replaced (look for another one in the tool kit, or contact us).

SHOWER

All our boats are equipped with a shower with both hot and cold water. The water is drained automatically by an electrical pump.

If the water doesn't drain: check if the drainage filter located in a corner of the shower tray is blocked; clean it if necessary. The same thing may happen with the kitchen sink. Pay special attention to this.

The electrical drainage pump is not working: retrieve the ladder which enables cabin access and check if the automatic level detector is working, if it is not blocked the pump starts to run when the detector rises up. If you need some help contact the base, a technician will come.

STOVE

Lighting the stove: select the proper burner. Put a lighted match to it. Turn the corresponding knob to maximum. Keep the knob pressed in this position for 10 to 15 seconds to override the safety cut-out.

Lighting the oven: use the knob on the left, indicated by the oven symbol. Put a lighted match to the hole at the front of the oven. Turn the knob to maximum. Keep the knob pressed for 10 to 15 seconds to override the safety cut-out. Before closing the oven door, make sure the burner rack is lit. Before using the oven, leave it to heat up for 15 minutes.

TOILETS

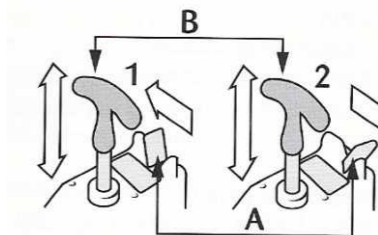
All our boats are fitted with toilets which operate on lake water.

We would ask you to use thin toilet paper (use the rubbish bin) and not to put cotton wool, toilet paper, tissues or other material into the toilet that could block it.

Any repairs by our technicians due to your negligence will be charged to you at the end of your cruise.

Operation:

- 1) Open valve A by moving it to its furthest limit to the left to drag in lake water. Pull handle B up and down to rinse and flush at the same time.
- 2) Move valve A to its furthest limit to the right while continuing to pump in order to rinse out and totally empty the toilet.



TV/DVD and RÁDIO/CD

Your boat is equipped with a TV/DVD player and a radio/CD player, which work at 220V. They work with energy provided by a two-battery converter which supplies all onboard equipment, except the fridge and the engine which rely on their own batteries. The handling of this equipment is very easy and similar to those you have at home. If you have any doubts, there's a folder on the left of the drivers seat, with all the information you may need about the equipment, in several languages. ATTENTION: the use of the batteries is limited. If they discharge, you will need to start the engine of the boat in order to recharge the batteries.

Chapter 4
MECHANICAL OPERATION OF THE BOAT

Here is some advice concerning the mechanical operation of the boat. Be careful to follow it and don't hesitate to ask for more information from the technician who will show you around your boat and later, if requested.

AUDIBLE ALARM AND ENGINE BREAKDOWNS

1) Audible alarm: All our boats are fitted with an audible engine protection alarm. It operates automatically when the engine overheats due to lack of cooling and when oil pressure is insufficient (lack of oil in the engine). Stop the engine immediately and contact the base.

2) Engine breakdowns: practical guide.

Engine will not start: check if the "stop" handle is well placed

No water is coming out of the exhaust: if you have just cleaned the engine's cooling water filter check if the lid is well placed. If not, contact the base

The alarm goes off and the oil-light turns on: stop the engine and contact the base

Other issues:

Never try to repair it yourself. You'll probably make it worse. Moor immediately and contact the base explaining the problem in detail, with its causes and effects.

Give the name of your boat, its exact position (kilometric point). If a replacement part is needed, we will try to be on hand as soon and as efficiently as possible.

After working hours of the base or if the several emergency numbers don't answer, leave a detailed message on the answering machine. We will get in contact as soon as we can.

FUEL

Our boats have autonomy enough for the whole cruise. However, for longer cruises (e.g. 2 weeks), it might be necessary to do a refuelling at Amieira Marina. We will inform you if necessary.

GPS

Your boat has a very important sailing support system the Garmin GPS-MAP 276c. This equipment enables you to have a global vision of the lake and to know the right position of the boat. Plus you can safely follow the pre-defined safety routes, which have been previously tested and which will guarantee adequate depth navigation free of any submerged obstacles.

In the GPS cartography, is also possible to visualise danger spots in the lake, which are located outside the safe navigation routes. The floating equipment, like the navigation buoys, have floating moorings to accompany the variation of the water level. Therefore, it can happen that the exact location may be altered.

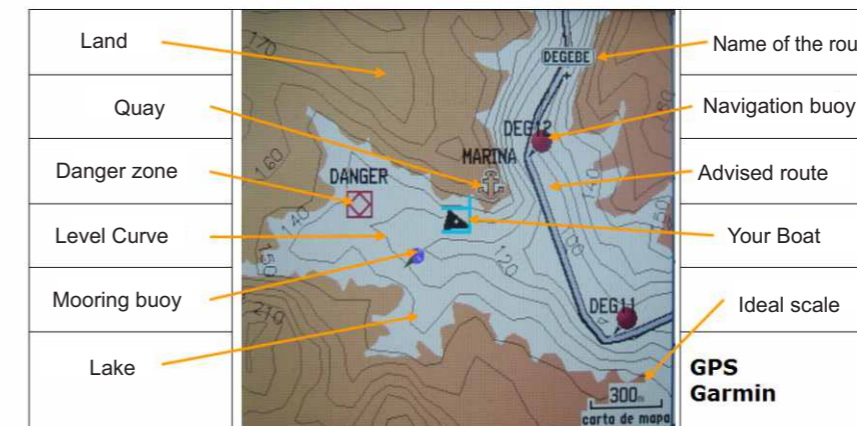
In case you need to contact the base, you should always give your exact location, according to the GPS (press MENU, then GPS to read the location information)

When we deliver the it boat, we also provide you with detailed and personalised information about how to operate this equipment, it is quite easy to operate. For any other details, you can always consult the user's book available in many languages in a briefcase right next to the pilot, on the left.

This is a printout of the image you can visualise in your GPS monitor, with the correspondent subtitles:

Chapter 4
MECHANICAL OPERATION OF THE BOAT

This is a printout of the image you can visualise in your GPS monitor, with the correspondent subtitles:



PROPELLER

The propeller can cause a breakdown. If the engine stops and the boat vibrates abnormally or makes slow progress, the propeller may be entangled (vegetation, ropes...).

To avoid this, keep the ropes safely accommodated and beware of the banks.

SOUND/SONAR

Other important equipment it that will help you to navigate is the ECHOPILOT sonar FLS Silver II . With this equipment is possible to navigate safely when you deliberately leave the safety route indicated by the GPS. Due to the vertical and frontal sweeping sonar, the monitor gives you graphic and numeric information about the depth and everything ahead of the boat, making your job easier when mooring and exploring outside the routes suggested by us, making your cruise even more interesting, but still safe.

The depth indicated on the monitor is the real one and doesn't have any discount or increase. As such, knowing that your boat's draft is approximately 1 meter, you should not navigate in water level less than 1.5 meters.

This equipment works automatically in adjustment mode. As such, the depth and frontal distance scales are adjusted automatically with occasional obstacles. If wanted, you can change the frontal distance, as follows:

