



We keep you connected to your boat

.....and save life in the process



USER MANUAL

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Thank you for choosing CoastKey

CoastKey is an innovative Keyless ignition system. The Keyless entry is performed using a pin code on the panel unit. Since CoastKey is a modular system, a remote start feature can easily be added. If you choose this feature, additional wireless functions can also be added such as tilt, anchor windlass or thruster controls. The remote start feature will also give you a wireless engine kill switch!

Developed in Norway

CoastKey, a Nordic Wireless Solutions AS brand, was created by a group of experienced Norwegian boaters who have worked continuously since 2005 to improve the connection between the boater and the boat. CoastKey modernizes and enhances the helm and dashboard into the 21st century. CoastKey is developed and tested to withstand the rough Norwegian sea conditions.

i It is recommended that the CoastKey system be installed by a professional, with good knowledge of electrical systems.

For multiple engine installations, each engine must have a separate starter battery.

Please read the user manual carefully before using the CoastKey system. Keep the user manual for future reference.

Disclaimer

Failure to correctly and safely operate your vessel and not follow all CoastKey instructions, could result in an accident or collision resulting in death or serious injury.

In no event shall Nordic Wireless Solutions AS and its subsidiaries and/or its suppliers, agents or affiliates be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the improper installation, misuse, improper maintenance, self-repair, or tampering of our products.

Always drive the boat carefully and in accordance with local laws.

Use this device only as a safety aid. This device does not replace the cord-based kill switch and should be used at your own discretion and responsibility.



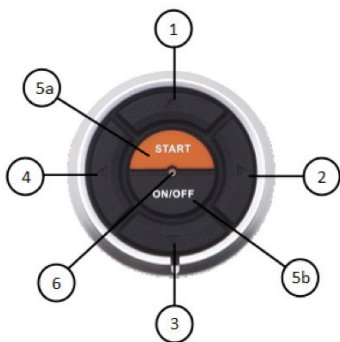


Figure 1: Start Panel



Figure 2: Master FOB

Start Panel (Single engine)	Start Panel (Multiple engines)	Master FOB
1. AUX1 up/number 1 2. AUX2 right/number 2 3. AUX 1 down/number 3 4. AUX 2 left/number 4 5a. Start button 5b. ON/OFF button 6. LED light (Green/Red/Yellow/Blue)	1. Start/stop engine 1 2. Start/stop engine 2 3. Start/stop engine 3 4. Start/stop engine 4 5a. Start button 5b. ON/OFF button 6. LED light (Green/Red/Yellow/Blue)	1. AUX1 up (Green LED) 2. AUX2 right 3. AUX1 Down (Red LED) 4. AUX2 left 5. Start/Stop - ON/OFF Button

The AUX functions can be used to tilt motors up/down, anchor windlass, bow thruster, etc.



The **Master FOB** is equipped with a key lock feature to prevent unintended activation of the AUX functions. The key lock is deactivated by pressing and holding the right and left arrow keys simultaneously (fig. 2, 2 and 4) for 2 seconds.

Brief description of button features

For boats equipped with a single engine

AUX 1 is controlled by arrow keys (fig. 1, 1 and 3) above and below the START/ON/OFF buttons on the Start Panel. The side arrow keys (fig. 1, 2 and 4) on each side of the START/ON/OFF buttons on the Start Panel control AUX 2 (not included unless purchased separately). The AUX functions can also be controlled from the Master FOB.

For boats equipped with multiple engines

Boats equipped with multiple engines use the arrow/number buttons on the Start Panel to start/stop the engines individually. The AUX functions can only be controlled from the Master FOB.



There are two AUX functions available on the CoastKey system. One AUX function is standard on a single engine installation (a second AUX function can be purchased separately). Two AUX functions are standard on multi-engine installations.

Installation Setup

The boat should be in the water and the engine(s) tilted down before you begin. The first time the system is powered up, if the yellow LED on the Start Panel flashes quickly it indicates that a PIN code must be created (if it does not flash quickly, the factory default PIN code of 1234 has already been set). Enter your personal PIN code on the Start Panel. The PIN code must be a combination of the numbers 1-4 (Figure 1, 1 to 4). The PIN code may have 4-6 digits. The new PIN-code must be entered twice to ensure correct code has been set; Once the new PIN-code has been entered, press the START button on the Start Panel to confirm your PIN code. The green LED will flash shortly. Enter the PIN-code once more and press the START button again to confirm. The green LED will light to confirm that a new PIN code is set.

- i* Once the PIN code has been created, the supplied **Master FOB** must be paired/connected to the system.

Carefully note and memorize your PIN code! Your PIN code is the system's key (See Change Pin Code, page 5).
- i* Even if you have multiple **Master FOB** devices, only one can be active at a time while operating the boat.

If the yellow LED does NOT flash quickly when the **Start Panel** is powered on, the system already received a PIN code at the factory. The default PIN code is: 1 2 3 4. In this case, the **Master FOB** will already be paired with the **Start Panel**. It is recommended that you change this PIN code. To do this see page 5.

Pairing a new or extra Master FOB unit

The Start Panel is locked, and the ignition is off.


Sequence	Action
1.	Enter your PIN code on the Start Panel (Green LED flashes when the correct PIN is entered, while red LED flashes if the combination is wrong).
2.	Within 60 seconds, press and hold START (fig. 1, 5a) and the up arrow (fig. 1, 1) on the Start Panel for approx. 5 seconds.
3.	The yellow LED will start blinking.
4.	On the Master FOB unit: Press and hold the Center button (fig. 2, 5).
5.	On the Start Panel: The yellow LED on the Start Panel (Fig. 1, 6) stops blinking.
6.	On the Master FOB: Release the Center button (fig. 2, 5).
7.	The Master FOB and the Start Panel are now paired.
8.	Test the system by pressing the center button on the Master FOB (fig. 2, 5) and the Start Panel should unlock.

It is possible to pair/connect up to 10 FOB units to the Start Panel.

Change the PIN code

The Start Panel is locked, and the ignition is off.

Sequence	Action
1.	Enter your PIN code on the Start Panel (Green LED flashes when the correct PIN is entered, while red LED flashes if the combination is wrong). The green LED flashes every 2 seconds to indicate that the panel is unlocked.
2.	Press and hold START (fig. 4, 5a) and the right arrow button (fig. 4, 2) on the Start Panel for approx. 5 seconds.
3.	The yellow LED will start blinking quickly.
4.	Release the START button and the right arrow button.
5.	Enter your new desired PIN code (Press and release the number buttons). The PIN code can consist of 4, 5 or 6 digits.
6.	Press and release the START button to confirm the new PIN code (first confirmation).
7.	The green LED on the Start Panel (fig. 4, 6) will start to blink quickly.
8.	Enter the new PIN code one more time.
9.	Press and release START button to confirm new PIN code (second confirmation).
10.	The green LED lights to confirm that the new PIN code has been saved.

 **If you want to cancel the process and keep the old PIN code, press and release the ON/OFF button (fig. 4, 5b) instead of confirming the change by pressing the START button.**

Once your PIN code is changed, the Master FOB must be paired with the **Start Panel** again.
See page 5.

If the system is pre-set with the default PIN code (1-2-3-4), it is very important that you change the PIN code immediately to a personal PIN code upon installation. This is to help prevent theft.

The Kill Switch Function – MOB (Man Over Board)

If the captain falls overboard with the Master FOB unit attached to his/her body, the engine(s) will stop.

In case of a man overboard situation, the Start Panel will emit a beep for 12 seconds and start flashing red as an indication of a MOB situation.

 ***The gear lever must be returned to the neutral position for the engine(s) to be restarted.***

The CoastKey system will only work as a Kill Switch if

1. the **Master FOB** was used to start the engine(s)
or
2. when activated by pressing and releasing the center button on the **Master FOB** after starting the engine(s) from the Start Panel.

CoastKey will only stop the engine(s) if the driver falls overboard and has the **Master FOB** attached. NEVER leave the **Master FOB** unattached in the boat while driving.

Unlike the physical lanyard switch, CoastKey will not stop the engine(s) in case of a fall onboard the boat. In this case, the center button on the **Master FOB** must be pressed and held to stop the engine(s).

Start the engine(s) after MOB (Man Over Board)

Sequence	Action
1.	Return the gear lever to the neutral position.
2.	The Start Panel will emit a beep for 12 seconds and the LED flashes red as an indication of a Man Over Board. Once the flashing stops and the START button turns to orange, the ignition has automatically switched ON.
3.	Press and hold the START button (fig. 4, 5a) on the Start Panel.
4.	After holding for about 2 seconds, the start signal goes on to all installed engines.
5.	Release the START button when the engine(s) have started.

i When the engine(s) have been restarted in this way, they will be operable for 1 hour before the PIN-code or **Master FOB** must be used to restart the system. If the physical key(s) are available, they can also be used to restart the engine(s). We recommend restarting the engine(s) using the **Master FOB** as soon as possible to reactivate the Kill Switch function.

Take control if a false MOB situation occurs

Sequence	Action
1.	Return the gear lever to the neutral position.
2.	Press and release the ON/OFF button (fig. 4, 5a) on the Start Panel, turning the ignition to ON.
3.	Press and hold the START button (fig. 4, 5a).
4.	After holding for about 2 seconds, the start signal goes on to all installed engines.
5.	Release the START button when the engine(s) have started.

AUX functions (arrow keys)

The AUX functions can be used to tilt motors up/down, anchor windlass, bow thruster, etc.

i The **Master FOB** is equipped with a key lock feature to prevent unintended activation of the AUX functions. The key lock is deactivated by pressing and holding the right and left arrow keys (fig. 3, 2 and 4) for 2 seconds.

There are two AUX functions available on the CoastKey system. One AUX function is standard on a single engine installation (a second AUX function can be purchased separately). Two AUX functions are standard on multi-engine installations.

For boats equipped with a single engine

AUX 1 is controlled by arrow keys (fig. 4, 1 and 3) above and below the START/ON/OFF buttons on the Start Panel. The side arrow keys (fig. 4, 2 and 4) on each side of the START/ON/OFF buttons on the Start Panel control AUX 2 (not included unless purchased separately). The AUX functions can also be controlled from the Master FOB.

For boats equipped with multiple engines

Boats equipped with multiple engines use the arrow/number buttons on the Start Panel to start/stop the engines individually. AUX functions cannot be controlled from the Start Panel, only from the Master FOB



Both channels have a max. voltage of 24V and max. load of 5 amps.

On single engine applications, the ignition must be ON to use the AUX function on the **Start Panel** but can be operated directly from the **Master FOB**.

The Master FOB unit

When using the Master FOB, PIN code entry is not required to unlock the Start Panel. The Master FOB can be used to Start/Stop the engine(s), as well as control additional components such as tilting the engine(s), operating the anchor windlass and bow thrusters.



CoastKey will automatically work as a Kill Switch if the **Master FOB** is used to turn the ignition on. If you choose to start the engine(s) from the **Start Panel**, you must activate the Kill Switch function by pressing and releasing the center button on the **Master FOB** (Figure 3, 5).

When the engine(s) are started, if the **Start Panel** is beeping and has a flashing yellow LED, this indicates that the Kill Switch function is NOT in use. The beep will be active for 2 minutes (to correct this, press and release the center button on the **Master FOB** (Figure 3, 5).

Constant green LED on the **Start Panel** (fig. 1, 6) indicates that the Kill Switch function is connected and in use.

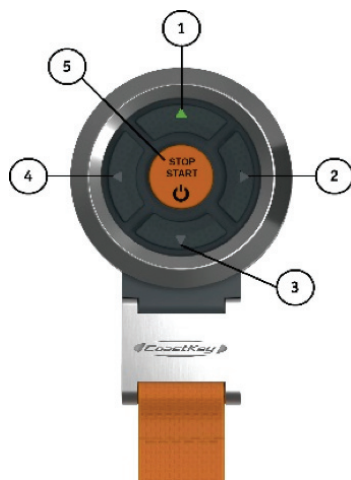


Figure 3: Master FOB

Start and stop the engine(s) from the Master FOB

Start engine(s)

Sequence	Action
1.	Press and hold the center button (fig. 3, 5).
2.	The green LED of the FOB flashes to indicate that the ignition is on.
3.	After about 2 seconds, the start signal is sent to all installed engines.
4.	Release the center button when the engine(s) have started.
5.	On the Start Panel, the green LED lights and remains on (fig. 1, 6), indicating the kill switch function is activated.

Stop engine(s)

Sequence	Action
1.	Press and hold the center button (fig. 3, 5) for 2 seconds.
2.	After about 2 seconds, the ignition signal goes off and stops all of the installed engines.
3.	The red LED on the Master FOB flashes to indicate that the ignition is off.
4.	Release the center button when the engine(s) have stopped.
5.	On the Start Panel the green LED turns off (fig. 1, 6), indicating the kill switch function is deactivated.

Turn the ignition ON without starting the engine(s):

Sequence	Action
1.	Press and <i>release the</i> center button (fig. 3, 5).
2.	The green LED on the Master FOB unit flashes fast 5 times to indicate that the ignition is on.
3.	On the Start Panel, the yellow LED lights and remains on to indicate that the ignition is on. The kill switch function is also activated.

Turn the ignition OFF:

If the ignition is switched on and the engine(s) have not been started.

Sequence	Action
1.	Press and <i>release</i> the center button (fig. 3, 5).
2.	The red LED on the Master FOB unit flashes fast 5 times to indicate that the ignition is off.
3.	The yellow LED on the Start Panel turns off.

Control AUX function(s) from Master FOB

Start AUX function (showing 2 functions installed)

Sequence	Action
1.	Press and hold the right and left arrow keys simultaneously (fig. 3, 2 and 4) for 2 seconds to deactivate the key lock.
2.	Press and hold the arrow key (fig. 3, 1 - 4) for the desired connected function.
3.	The function initiates after holding for 2 seconds.
	Release the arrow key to stop the function. Within 30 seconds, the arrow buttons (AUX functions) remain active - output goes on as soon as the button is pressed.

If the arrow key is pressed after 30 seconds, the function has timed out.

Perform steps 1 and 2 again

Radio Range

The CoastKey system will normally provide you with a safety range of 6-10 meters from the location of the Start Panel. Keep in mind that the range will depend on your surroundings and where the Start Panel is placed, so the exact safety range will vary. It is important that you familiarize yourself with the range after the system is installed.

i We recommend that you test the safety range on board your boat. This should be done in the open sea while you move around the boat.

There is a significant radio range difference in a harbor compared to open sea.

Battery replacement on the Master FOB

Battery change can be performed by the boat owner. The battery should be replaced after approx. 600 hours of engine use, or a minimum of every second year.

A quick red LED flashing on the FOB will indicate that a battery change is required. Battery change should be performed immediately.

The battery is located on the back of the Master FOB. Turn the battery cover counter-clockwise to unlock. Notice how the battery is placed to ensure correct polarity (negative faces down into the FOB).

Insert a new CR 2032 (3V lithium) battery. Put the battery cover in place and screw clockwise.



i The O-ring on the battery cover should be replaced every three years to keep the **Master FOB** waterproof. Contact your local CoastKey dealer to order the correct O-ring.

Incorrect polarity can damage the FOB.

Start Panel

Unlock the Start Panel by entering your PIN code and pressing the ON/OFF button (figure 4, 5b), or pressing Start from the Master FOB.

When you unlock the Start Panel using your PIN code, the Kill Switch function is NOT activated. Whenever possible, unlock the Start Panel using the Master FOB in order to activate the Kill Switch function.

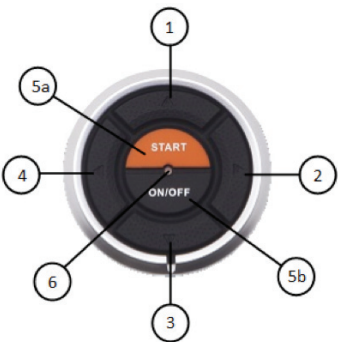


Figure 4: Start Panel

Backlight

The backlight on the Start Panel comes on when the main battery switch on the boat is turned on. Once the boat is powered up, the backlight will come on each time a key is pressed. The backlight stays on for 2 minutes after power-up and after each keystroke.

Unlock the Start Panel and turn on the ignition

Sequence	Action
1.	Enter the PIN code by pressing and releasing the number buttons (fig. 4, 1-4).
2.	The green LED flashes when the correct PIN is entered, while the red LED flashes if incorrect.
3.	Within 60 seconds, press and release the ON/OFF (fig. 4, 5b) button to turn on the ignition.
4.	The ignition is activated on all installed engines.
5.	The yellow LED lights and remains on to indicate that the ignition is on.

i If the ON/OFF button is not pressed within 60 seconds after the PIN code is entered, the PIN code will time out and the **Start Panel** will be locked (repeat steps 1-3). The **Start Panel** can also be unlocked by pressing and releasing the center button of the **Master FOB** (no PIN code required).

Features available with an unlocked Start Panel

- Start/stop the engine(s)
- Individually start/stop the engines (multi-engine installation)
- AUX functions (on single engine installation only)
- Pairing the Master FOB (Ignition is Off)
- Create a new PIN code (Ignition is Off)

Start and stop the engine(s) from the Start Panel

Start the engine(s)

Sequence	Action
1.	Enter the PIN code.
2.	Press and release the ON/OFF button to activate the ignition (fig. 4, 5b).
3.	Press and hold the START button (fig. 4, 5a).
4.	After holding for about 2 seconds, the start signal goes out to all installed engines.
5.	Release the START button when the engine(s) have started.
6.	A yellow flashing LED and a beeping audio signal indicates that the kill switch function is NOT activated (to correct this, press and release the center button on the Master FOB – green LED lights).

Stop the engine(s) and turn the ignition off

Sequence	Action
1.	Press and release the ON/OFF button (Fig. 4, 5b).
2.	The engine(s) will stop and the ignition is switched off
3.	The Start Panel will be locked when the ignition goes off

 Tilt the engine(s) into the water before starting the engine(s) to avoid damage.

If a manual Kill Switch (lanyard cord) is used, it must be properly installed before the engine(s) can be started.

The **Start Panel** must be unlocked by entering the PIN code. The Kill Switch function is NOT activated in this case, which is indicated by a yellow flashing LED and audio signal (The audio signal will only be emitted during the first 2 minutes, this can be corrected by pressing and releasing the center button on the **Master FOB**).

We always recommend unlocking the **Start Panel** using the **Master FOB** to ensure the wireless Kill Switch function is activated.

Multiple engines

If your boat is equipped with multiple engines, each engine can be individually started and stopped.

Start the engines individually

Unlock the Start Panel by entering the PIN code and press and release the ON/OFF button to activate the ignition on all installed engines. (or by pressing and releasing the center button on the Master FOB).

Sequence	Action
1.	Press and hold one of the numbered keys, 1 to 4 (Fig. 4, 1 to 4) to start that engine: 1 = engine number 1 2 = engine number 2 3 = engine number 3 4 = engine number 4
2.	After about 2 seconds, the start signal goes on to the selected engine.
3.	Release the number button when the engine starts.

Stop the engines individually

Sequence	Action
1.	Press and hold one of the numbered keys, 1 to 4 (Fig. 4, 1 to 4) to stop the engine: 1 = engine number 1 2 = engine number 2 3 = engine number 3 4 = engine number 4
2.	After 2 seconds the selected engine will stop.
3.	Release the number button when the engine stops.

Restart a stopped engine

The Start Panel is unlocked, and the ignition is on.

(If the ignition is off on all engines, see “Start engines individually” on page 9.)

Sequence	Action
1.	Return the gear lever to the neutral position.
2.	Press and hold one of the numbered keys, 1 to 4 (Fig. 4, 1 to 4) to start that engine: 1 = engine number 1 2 = engine number 2 3 = engine number 3 4 = engine number 4
3.	Ignition goes on for the selected engine.
4.	After about 2 seconds, the start signal goes on to the selected engine.
5.	Release the number button when the engine starts.

AUX functions from the Start Panel (single engine only – showing two functions installed).

Start Panel is unlocked.

Sequence	Action
1.	Press and hold the arrow key (fig. 4, 1 - 4) for the desired connected function.
2.	The function initiates after holding for 2 seconds.
3.	Release the arrow key to stop the function. Within 30 seconds, the arrow buttons (AUX functions) remain active - output goes on as soon as the button is pressed.

If the arrow key is pressed **after** 30 seconds, the function has timed out.

Perform steps 1 and 2 again.



Technical data

Master FOB

Dimensions (D x H): 50x12mm

Weight: 42g

Battery: CR2032

Battery life: Up to 3 years (600 hours of motor operating time)

IP class: 67

Start Panel

Dimensions (D x H): 65x63mm

Weight: 75g

Power supply: 12/24V

IP class: 66

Power consumption:

- 1.7 mA at main power on and ignition off.
- 0 mA at main power is off

General data

Radio Frequency: 2.4 GHz

Range: 6-10 meters

Temperature range: -25C to + 60C

Motor module (single)

Dimensions (L x W x H):

130x65x50mm

Weight: 180g

Power supply: 12/24V

IP class: 61

Power consumption:

- 0.3 mA with main power on and ignition off.
- 0 mA with main power is off.

Motor module (twin)

Dimensions (L x W x H):

130x65x50mm

Weight: 250g

Power supply: 12/24V

IP class: 61

Power consumption:

- 0.6 mA with main power on and ignition off.
- 0 mA with main power is off

Certifications

- Safety: EN 60950-1
- EMC: EN 301 489-17 V3.1.1
- Radio: EN 300 328 V2.1.1
- FCC Part 15.249
- ISCED RSS-210

Before calling for support

The ignition is not activated when the ON button on the Master FOB is pressed:

- Make sure that the main power switch is on and that the boat batteries have enough voltage.
- Make sure that you are within radio range (max. 10 meters) of the Start Panel location.

If the ignition is not activated by the Master FOB, press the center button of the Master FOB to see if any LED's light. If not, the FOB battery may be discharged and must be replaced. See page 14 (Battery Type: CR2032).

The engines will not start from the Master FOB:

- Make sure the main power switch is on and that the boat batteries have enough voltage.
- Check that the gear lever is in neutral.
- Check that the manual Kill Switch is correctly inserted if used.
- Make sure that you are within radio range (max. 10 meters) of the Start Panel location.
- If the ignition is not activated by the Master FOB, press the center button of the Master FOB to see if any LED's light. If not, the FOB battery may be discharged and must be replaced. See page 14 (Battery Type: CR2032).

The engine(s) will not start from the Start Panel when entering the PIN code:

- Make sure that the main power switch is on and that the boat batteries have enough voltage.
- Make sure you entered the correct PIN code. If the correct PIN code was entered, the green LED lights.
- Check that the gear lever is in neutral.
- Check that the manual Kill Switch is correctly inserted if used.

IMPORTANT SAFETY INFORMATION AND WARNINGS

- **The CoastKey system is designed to only be used on a vessel.**
- **The Master FOB unit must always be activated and attached to the driver for the Kill Switch to operate as designed.**
- If you have multiple Master FOB devices, **please note that only one can be used at a time while operating the boat.**
- **Do not use the Master FOB in the water** -other than in the case of a real man overboard situation.
- **The CoastKey system will only act as a kill switch and stop the engine(s) if the driver falls overboard and has the Master FOB attached. The CoastKey system will NOT stop the engine(s) if the driver falls onboard the boat.**
- The Master FOB unit is designed to float if it falls into the water.
Note that additional weight attached to the Master FOB unit will cause the Master FOB unit to sink.
- Competing wireless systems on board the vessel may affect the operating stability of the **CoastKey system**.
- External radio noise may affect the operating stability of the CoastKey system.
- The **CoastKey system** may interfere with electronically operated medical devices. Consult your authorized healthcare professional and carefully read the instructions of the manufacturer of your medical devices before using the CoastKey system near cardiac stimulators or other similar electronically operated medical devices.
- Do not use the Master FOB device near metal surfaces or carbon as this may impair the radio signal.
- If the system behaves abnormally, turn off the main power switch immediately.



Please completely read and review all instructions, disclaimers and warnings before using this product. By using this device, you agree with all the guidelines and information provided in this document

Important information

The CoastKey system generates, uses, and radiates radio frequency (RF) energy and, if not installed correctly and used in accordance with the instructions, may cause interference with radio communications and electronic equipment.

Never tamper with or attempt to disassemble or change any hardware or software on your CoastKey system. CoastKey devices are designed and manufactured to only communicate with CoastKey devices. External RF signals may affect improperly installed or inadequately shielded electronic operating systems, entertainment systems, and personal medical devices. While most modern electronic equipment is shielded from external RF signals, you should check with the manufacturer or contact CoastKey for support.

For personal medical devices (such as pacemakers, cardiac stimulators and hearing aids), consult with your physician or the manufacturer to determine if they are adequately shielded from external RF signals.

In the unlikely event that you experience interference with other electronic devices, please contact customer support at: www.coastkey.com or contact the manufacturer of the respective electronic device. The CoastKey system should not be used in areas where you are not allowed to use cellular devices. There are some places where RF signals could constitute a hazard, such as health care facilities, and construction sites. If you are not sure, look around for signs indicating that two-way radios or cell phones should be turned off, or simply discontinue use of the device until you are away from these areas.

The operational stability can be affected by signals from other wireless systems present in the vessel. The operational stability can also be influenced by signals from external electromagnetic sources.

Portable electronic devices, including CoastKey devices, emit radio signals that may interfere with aircraft communications or flight control, navigational and other on-board electronic equipment and should be turned off during flights.



Vessel Operation Warnings

- Always boat responsibly.
- You are responsible for the safe and prudent operation of your vessel.
- Before departing port, check your boats overall condition and insure that all applicable safety equipment is operational.
- **Review the operation of the CoastKey system with all passengers on the vessel. Make sure they understand how to restart the boat in the event of a Man Overboard situation.**
- Consider getting a free “Vessel Safety Check” (VSC) from either the U.S. Coast Guard or the U.S. Power Squadron.
- Always follow all operating instructions from your boat manufacturer.
- Know and follow all local waterway rules and regulations.
- Do not overload your boat.
- Correctly fitted PFD’s (life jackets) should always be worn.
- Never operate a boat under the influence of alcohol.
- Always check your local weather forecast before a trip.
- Complete a float plan before you go boating and leave it with a reliable person who can be depended upon to notify the Coast Guard, or other rescue agency, should you not return or check-in as planned. If you have a change of plans or will be delayed, notify the person holding your Float Plan.
- Never leave the helm unattended.
- The CoastKey system is meant to enhance your safety while operating your boat but doesn’t relieve you of the responsibility of safe operation of the vessel, nor is it meant to take the place of the physical lanyard kill switch.

Important Product and Safety Information

The CoastKey system will shut down the engine(s) within 2 seconds and give an alarm signal if the driver falls **into** the water or is out of wireless range. The CoastKey system will not shut off the engine(s) if the driver falls **onboard** the boat within the wireless range. In this event, the driver can manually shut down the engine(s) by pressing the OFF button on the Master FOB. Always test the wireless range onboard the boat before use. The wireless range may vary from 6 – 30 meters depending on the wireless environment surrounding the boat.

Always insure that the system is working properly before leaving the dock (refer to the User Manual for these instructions).

Always check the battery level on the Master FOB before operating the vessel (refer to the User Manual for more information).

Never operate at unsafe speeds or perform dangerous maneuvers with the boat, especially if the battery on the Master FOB is low. A low battery on the Master FOB can cause the engine to suddenly stop and result in loss of control or maneuverability of the boat.

Do not leave the Master FOB in the boat unattended to prevent theft of the vessel.

Other safety Considerations



Small parts contained in the CoastKey system and its accessories may present a choking hazard to small children.

The product contains a CR2032 Lithium Metal Button Cell Battery.

Product category: Marine electronics.

Our product has been tested to comply with FCC standards.

If you use any medical device such as a pacemaker or cardiac stimulator, consult with your physician or healthcare professional and read the instructions from the manufacturer before use.

Credit cards, hard drives and other devices that store data magnetically may also be sensitive to magnetic or electromagnetic fields and should not be placed near this device.

CE Declaration of Conformity

CoastKey equipment and accessories are designed to the highest industry standards for use in the recreational marine environment. The CoastKey system conforms to the appropriate Electromagnetic Compatibility (EMC) regulations, but correct installation is required to ensure that performance is not compromised. We highly recommend installation by a professional.

Recycling

Make sure you dispose of or recycle all CoastKey devices/batteries in accordance with your local laws and regulations.

Limited Warranty

This CoastKey product is warranted to be free from defects in materials or workmanship for two years from the date of purchase. Within this period, Nordic Wireless Solutions AS will, at its sole discretion, repair or replace any components that fail in normal use. Such repairs or replacements will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any shipping cost. This warranty does not apply to: (i) cosmetic change, such as scratches, nicks and dents; (ii) consumable parts, such as batteries, unless product damage has occurred due to a defect in materials or workmanship; (iii) damage caused by accident, abuse, misuse, water, flood, fire, or other acts of nature or external causes; (iv) damage caused by service performed by anyone who is not an authorized service provider of CoastKey, or (v) damage to the product because it has been modified or altered without the written permission of Nordic Wireless Solutions AS, or (vi) damage to the product because it has been connected to power and/or data cables that are not supplied by Nordic Wireless Solutions AS. In addition, Nordic Wireless Solutions AS reserves the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country. Repairs have a 180-day warranty. If the unit sent in is still under its original warranty, then the new warranty is 180 days or to the end of the original two-year warranty, whichever is longer.

For specific instructions about how to obtain warranty service for your device, please contact CoastKey support. THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE/COUNTRY TO STATE/COUNTRY. IN NO EVENT SHALL NORDIC WIRELESS SOLUTIONS AS, ITS SHAREHOLDERS, BOARD OF DIRECTORS, OR EXECUTIVE LEADERS BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES/COUNTRIES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG A STATUTORY OR IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

This limited warranty gives you specific rights. You may have additional rights under applicable law, and this limited warranty does not affect such rights. Nordic Wireless Solutions AS retains the exclusive right to repair or replace (with a new or newly-refurbished replacement product) the device or software or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY. To obtain warranty service, contact your local CoastKey authorized dealer or call CoastKey Support for shipping instructions and a Return Authorization Number (RAN). Securely pack the device and a copy of the original sales receipt, which is required as proof of purchase for warranty repairs. Write the Return Authorization Number clearly on the outside of the package. Send the device, freight charges prepaid, to Nordic Wireless Solutions AS. See www.CoastKey.com to find your nearest dealer for return or contact your local CoastKey dealer.

Online auction purchases

Products purchased through online auctions are not eligible for rebates or other special offers. To obtain warranty service, an original or copy of the sales receipt from the **original retailer** is required. Nordic Wireless Solutions AS will not replace missing components from any package purchased through an online auction.

For international purchases

Separate warranty may be provided by international distributors for devices purchased outside of Norway or the United States (depending on the country). If applicable, this warranty is provided by the local in-country distributor and this distributor provides local service for your device. Distributor warranties are only valid in the area of intended distribution.

FCC Statements

FCC Modification Statement

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Interference Statement

This applies to the CoastKey Instrument unit and remote controller:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This applies to the CoastKey Motor unit

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Exposure Statement

This portable device with its antenna complies with FCC/IC RF exposure limits for general population / uncontrolled exposure. The antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Canada required statements

This Device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage ; (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



Warranty provider

Nordic Wireless Solutions AS

Ostre Strandvei 52, N-3482 Tofte, Norway, Org.No: 987123192

- Tel: +47 32 278888

- Support: support@coastkey.com

Additional information: **www.coastkey.com or www.coastkey.com/support**

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All rights reserved. Product features, appearances, manuals and specifications may be subject to change without notice. Read all instructions carefully before use.

Please retain this information for future reference.

You will always find the newest versions of the documentation on **www.coastkey.com**.





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