B.O.S.S.
Buoyant Operating Spa System

User's Manual

At the end of the day.

Coast Spas

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IMPORTANT!

Prior to using the B.O.S.S. remote for the first time, put it on charge for 24 hours. To charge the remote, simply insert it into its base (B.O.S.S. base unit).

OTHER IMPORTANT NOTES TO USERS :

FCC and Industry Canada Regulations to use Gecko in.K702 (B.O.S.S. handheld remote) and in.terface.601 (B.O.S.S. base unit) RF communication devices:

This device complies with Part 15 of the FCC Rules and Industry Canada RSS210, issue 5 for 915 MHz. 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.

IMPORTANT!

Changes or modifications not expressly approved by Gecko Électronique Inc. could void the user's authority to operate the equipment.

FCC Information to Users:

This equipment has been tested and found to comply with the limits for a Class B digital devices, 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 instruction manual, 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 of more of the following measures:

(1) Reorient or relocate the receiving antenna.

(2) Increase the separation between the equipment and receiver.

(3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

(4) Consult the dealer or an experienced radio/TV technician for help.

Congratulations! You own the industry's best remote control. Your control is waterproof and designed to provide hours and hours of trouble-free usage.

For best results, please remove the control from the water when the spa is not in use. Prolonged exposure to the hot water in your spa may create humidity built-up inside your control. This will not affect the operation of the remote but it may alter its appearance.

Please read the instructions provided in this manual carefully to ensure optimal use of your B.O.S.S. remote control.

The B.O.S.S. handheld remote can control the following devices:

- Spa
- Audio equipment (CD, Tuner)
- Video equipment (TV, VCR and DVD)

The B.O.S.S. handheld remote features the following:

- Multifunction device keys
- Spa status monitoring from inside your home
- Data transmission up to 15 feet (must align remote in front of spa receiver)
- Data reception up to 150 feet (distance may vary depending on obstacles such as walls, etc. Should this happen, try a different and more favorable location)
- Ergonomic design
- Floatable
- Totally sealed
- 3 "AAA" Ni-MH rechargeable batteries in watertight compartment (remote control retains values even after having replaced the batteries)
- Speed keys for quick and easy access to main spa functions.

Remote keys

Multifunction keys

Each of these four keys helps you to select and/or execute the indicated function (pointed by the arrows) displayed on the screen in any given window. In this way, the task performed by a given multifunction key will vary depending on the menu or window.

Pump 1 Quick key

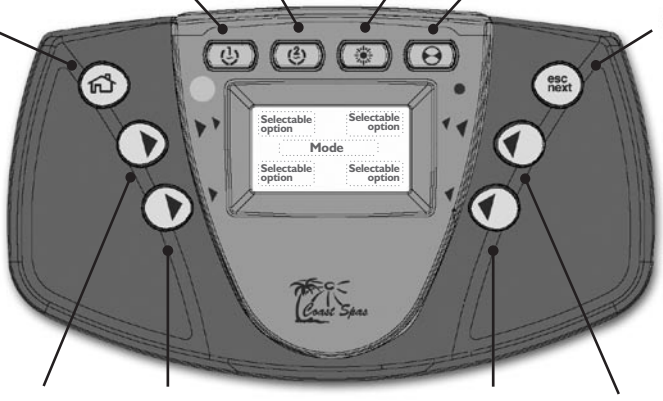
Pump 2 Quick key

Light Quick key

Quiet/Economy Quick key (see Economy section)

Home key

The **Home** key allows surfing through the different menus and submenus from all features and modes available with this remote. Also it allows you to exit any programming window without saving any changes and go back to the main Device Selection screen.



Esc/Next key

The **Esc/Next** key allows surfing through the various windows and options of any given menu. Also it allows you to exit any programming window without saving any changes and go back to the previous screen.

Upper left Multifunction key

Lower left Multifunction key

Lower right Multifunction key

Upper right Multifunction key

Quick keys

These four keys allow rapid access to the following functions: Pump 1, Pump 2, Light and Quiet mode.

Starting Pump 1 & Pump 2

- Press **Pump 1 or Pump 2** Quick keys to turn Pump 1 or 2 on.
- Select **Pump 1 or Pump 2** Quick keys repeatedly to control Pump 1or 2.

The corresponding pump icon becomes animated in the monitor window when Pump 1 or 2 is running. A built-in timer turns Pump 1 or pump 2 off after a certain period of time unless manually deactivated first. For more information please refer to the QRC provided by your dealer.

Quiet/ Economy Mode

When the Quiet feature is activated, it allows to stop both pumps at the same time by a simple click of a button! (light, audio and TV features will remain active).

- Select **Quiet** Quick key to activate the Quiet mode.

The Quiet mode icon flashes when this mode is on.

- Press and hold for 3 seconds **Quiet** Quick key to activate the Economy mode (see Economy cycle section of this manual).

Turning Spa Light On

To control the spa's variable intensity light or fiber lighting with your remote control:

- Select **Light** Quick key to turn light on.
- Select **Light** Quick key repeatedly to control light intensity.

As a feedback feature, the light icon becomes animated when light is on. A built-in timer turns light off after a certain period of time, unless manually deactivated first.

If the spa is equipped with a fiber box or led lighting

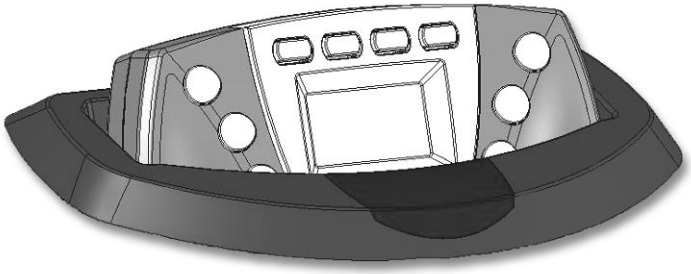
- Pressing **Light** Quick key once turns light box on.
- Pressing a second time freezes light in one color.
- Pressing a third time turns light box off.

B.O.S.S. base unit

The B.O.S.S. base unit has been conveniently designed to act as receiver-transmitter device as well as a battery charging unit for the B.O.S.S. handheld remote control.

The B.O.S.S. base unit features the following:

- Built-in IR receiver and RF transmitter.
- Automatic recharge of the Ni-MH batteries used by the handheld remote.
- Waterproof.



Main Modes

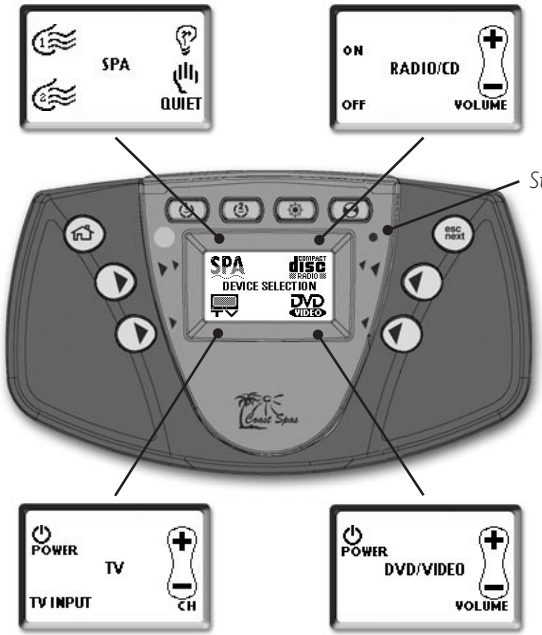
These four main menus allow access and control of the main devices controlled by this remote (to view the Device Selection window, simply press the **Home** key).

Spa Mode

This menu allows the control of the pumps and light as well as the activation of diverse programming modes. Various icons become animated to let you know present spa status.

Compact Disc/Radio

This menu allows you to activate and control Radio/CD functions.



TV Mode

This menu allows you to activate and control TV functions.

DVD/Video Mode

This menu allows you to activate and control DVD/Video functions.

The spa monitor window is a graphical interface that allows visualization at a distance of actual water temperature, the time of day and to easily monitor the state of the pumps and light. When you activate any pump or the light, its respective icon (displayed on the lower part of the screen) becomes animated. Furthermore, information messages may scroll on the Monitor Window to indicate a spa function or condition such as:

- Heating
- Filtering
- Filtering suspended
- Economy
- Freeze condition-Pumps activated
- Low battery
- Problem detected-Call for service
- Call for maintenace

Reception Bar

Because it's possible to monitor spa status at a distance, the icon lets you know the quality of the signal reception (the waves on the icon become animated on data reception). Thus 3 full bars indicate optimal reception while missing bars indicate a lost of signal. Please note that in order to control any device you must align the remote in front of the spa receptor.

Status LED

The Status LED monitors spa system and warns when service is required. This red light (see page 9) informs users if the remote's batteries are low (in which case the low battery icon will also appear) or if a problem has been detected and the spa should be checked before entering its water. The status LED indicates conditions such as:

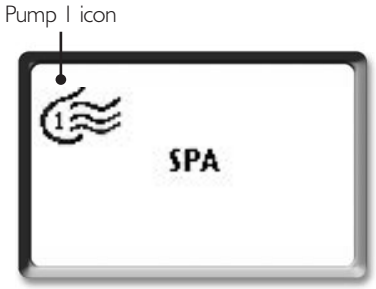
- Communication lost (out of range signal)
- Battery low
- Power outage
- Spa problem detected-Call for Service

This menu allows control of the pumps and spa light, as well as the activation of the Quiet mode. As a great feedback feature every time a pump or the light is on, its icon becomes animated on the Spa monitor window to visualize present status of each of these outputs. Furthermore if you like to stop all motor activity at once you may do so by activating the Quiet mode (see Quiet mode section).

Starting Pump 1

- Press **Home** key to display the Device Selection window.
- Select **Spa** to view Spa menu.
- Select **Pump 1** to turn Pump 1 on.
- Select **Pump 1** repeatedly to control Pump 1.

The pump icon becomes animated in the monitor window when Pump 1 is running. A built-in timer turns Pump 1 off after a certain period of time unless manually deactivated first. For more information please refer to the QRC provided by your dealer.



For your convenience, this function is also available, through **Pump 1 Quick key** (see page 7).

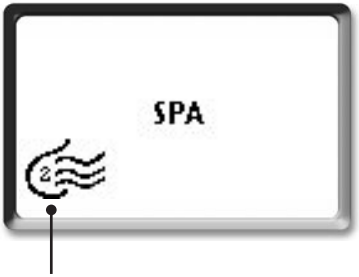
Starting Pump 2

- Press **Home** key to display the Device Selection window.
- Select **Spa** to view Spa menu.
- Select **Pump 2** to turn Pump 2 on.
- Select **Pump 2** repeatedly to control Pump 2.

As a feedback feature, the pump icon becomes animated when Pump 2 is running.

A built-in timer turns Pump 2 off after a certain period of time unless manually deactivated first.

For your convenience, this function is also available, through the **Pump 2 Quick key** (see page 7).



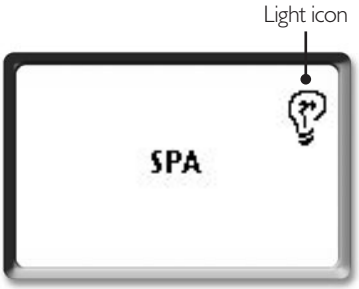
Pump 2 icon

Turning Spa Light On

To control the spa's variable intensity light or fiber lighting with your remote control:

- Press **Home** key to display the Device Selection window.
- Select **Spa** to view Spa menu.
- Select **Light** to turn light on.
- Select **Light** repeatedly to control light intensity.

As a feedback feature, the light icon becomes animated when light is on. A built-in timer turns light off after a certain period of time, unless manually deactivated first.



If the spa is equipped with a fiber box or led lighting

- Pressing **Light** key once turns light box on.
- Pressing a second time freezes light in one color.
- Pressing a third time turns light box off.

For your convenience, this function is also available, through the **Light Quick key** (see page 7).

Quiet Mode

When this feature is activated it allows you to stop both pumps at the same time by a simple click of a button! (light, audio and TV features will remain active).

- Press **Home** key for the Device Selection window to show.
- Select **Spa** to view Spa menu.
- Select **Quiet** to activate this mode.

The Quiet mode icon flashes when this mode is on.

Quiet icon

Should you press any (pump) keys when Quiet mode is on, a message will be displayed.

- To return to Normal mode, repeat same procedure described above. Please note that the system automatically returns to Normal mode after a certain period of time, unless the Quiet mode has been reactivated.

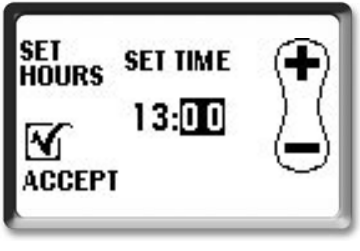
For your convenience, this function is also available, through the **Quiet Quick key** (see page 7).

This mode features user-friendly submenus that allow time setting, regulation of water temperature, temperature display unit setting, Filter cycle programming, as well as Economy mode setting and visualization of spa status.

Setting Time

To set the time in your spa with your remote control:

- Press **Home** key for the Device Selection window to show.
- Select **Spa** to access the spa menu.
- Press **Esc/Next** key to view spa parameters.
- Select **Clock** icon to view time options.
- Use **Hours** to select option.
- Use **+/-** to set the hour.
- Use **Minutes** to select option.
- Use **+/-** to set the minutes.
- Select **Accept** to confirm choice.
- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to Spa menu without saving any changes.



Setting Set point & Temperature Units

To regulate water temperature with your remote:

- Press **Home** key for the Device Selection window to show.
- Select **Spa** to access the spa menu.
- Press **Esc/Next** to view spa parameters.
- Select **Temp** icon to access Temperature options.

- Select °C →°F to toggle between °C (Celsius) and °F (Fahreheit) and vice versa.
- Use **+/-** to increase or decrease water temperature by 1-degree increments.
- Select **Accept** to confirm choice.

- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to Spa menu without saving any changes.

Filter Cycle

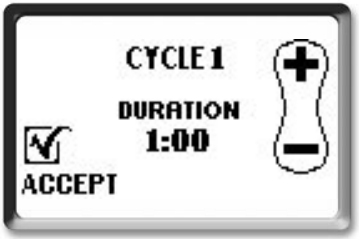
You can program two filter cycles per day (cycle 1 and cycle 2). A filter cycle consists in the activation of all pumps for one minute, then Pump 1 runs at low speed for the preprogrammed number of hours. To set the filter cycles, you must enter two parameters: the start time and the duration.

- Press **Home** key for the Device Selection window to show.
- Select **Spa** to access the spa menu.
- Press **Esc/Next** key twice to view Spa modes.
- Use **Filter** to select desired filter cycle to program (cycle 1 or cycle 2).
- Use **Cycle** to select select the desired parameter to modify: **Start time** or **Duration**, the setting procedure is the same.

- Select **Start time** to choose filtering start time (hour).
- Use **+/-** to set the hour.
- Select **Accept** to confirm choice.
- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to Spa menu without saving any changes.

Use the same procedure to set filter cycle duration in hours. If the operation has been successful the display will revert to main Spa Setup window.

The message **"Filtering"** appears on the spa monitor window to let you know when the spa is in filter cycle.



Economy Cycle

The Economy mode allows you to lower the temperature set point of the spa by 20°F (11°C) during a certain period of the day. When in Economy mode, the "Economy Mode" message is displayed on the status window.

To program the Economy mode, you must enter two parameters: the start time and the duration.

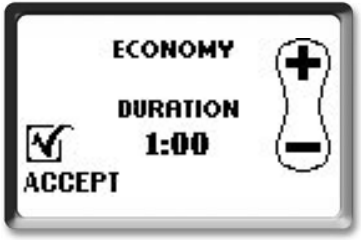
- Press **Home** key for the Device Selection window to show.
- Select **Spa** to access the spa menu.
- Press **Esc/Next** key twice to view Spa mode.
- Use **Economy** to view options.

- Select the desired parameter to modify: Economy **Start time** or **Duration**, the setting procedure is the same.

  Note: the Economy programming mode can be overridden by pressing and holding the **Quiet** key for 3 seconds. The override will last until midnight.

- Press on Start time to choose Economy start time (hour).
- Use **Hours** to select option.
- Use **+/-** to set the hour.
- Select **Accept** to confirm choice.
- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to Spa menu without saving any changes.

Repeat operation to set the duration of the Economy cycle in hours. If the Economy cycle is not required, the duration must be set to "0".

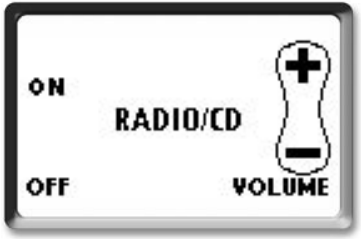


Lock/Unlock

This function allows you to prevent unauthorized parameter setting of the unit. The basic functions of the spa remain accessible (pump and light outputs) but it will be impossible to change temperature Set Point, to override Economy, Filter and Quiet modes or to set the time. Furthermore, if you try to activate any of those functions while the system is locked a message will prompt you to unlock the system first. When the unit is locked, the "Lock" icon flashes on screen.

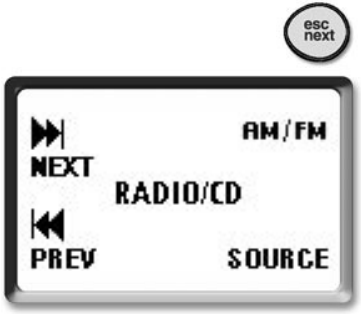
- Press **Home** key for the Device Selection window to show.
- Select **Spa** to access the spa menu.
- Press **Esc/Next** key twice to view spa mode.
- Select **Lock** or **Unlock** to change current setting.
- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to Spa menu without saving any changes.

This selection allows you to play the radio or choose another audio source (Tuner, CD, Aux).



On/Source, Volume +/-

- Press **Home** key for the Device Selection window to show.
- Select **Compact Disc/Radio** to view Audio options.
- Use **On** to choose audio source.
- Use **+/-** to increase/decrease volume.
- Select **Off** to turn **Radio** or **CD** off.



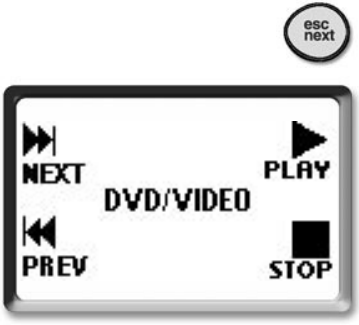
AM/FM, Seek/Skip

- Press **Next** key to view more Radio/CD options.
- Select **AM/FM** to choose radio band.
- Select **Next/Prev** to perform a seek of the next preset station in Radio mode or to select previous or next track in CD mode.

Five windows or menus are available in this mode, they allow you to execute the most commonly used DVD or Video commands.

Power On, Volume +/-

- Press **Home** key for the Device Selection window to show.
- Select **Power** to turn DVD/Video On/Off.
- Use **+/-** to increase/decrease DVD/Video volume.



Play/Stop, Next, Previous

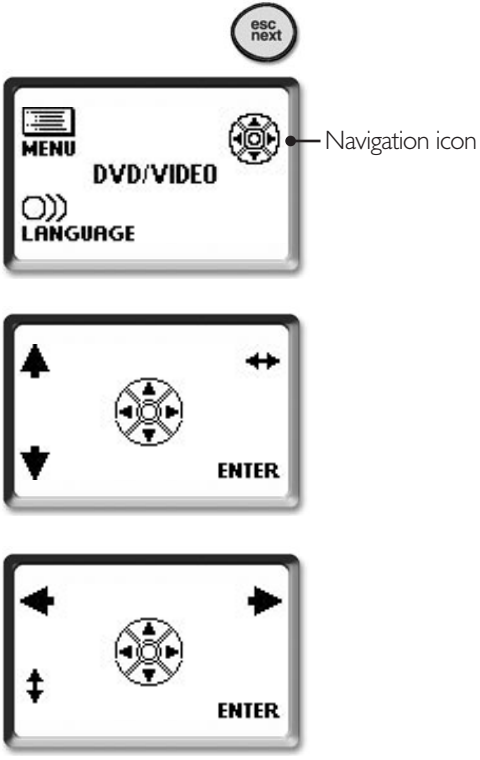
- Press **Next** key to set DVD/Video volume.
- Select **DVD/Video** to select DVD or Video mode.
- Select **Play** to start playing DVD/Video.
- Select **Stop** to stop playing DVD/Video.
- Select **Next/Prev** to perform a seek of the previous or next track in DVD/Videomode.

Menu, Language, Subtitles, Navigation Icon

- Press **Next** key again to access the next window menu.
- Use **Menu** to scroll DVD Menu (displayed on TV screen).
- Use **Language** to select DVD/Video language (English/ French).
- Select **Navigation** icon to navigate among the various options available on the DVD.

- Use **Up/Down** ↕ and then **Enter** to view options.
- Use **Up** ▲ o r ▼ **Down** arrows to navigate vertically through the various DVD/Video menus.
- Use **Left/Right** and then **Enter** to view options.

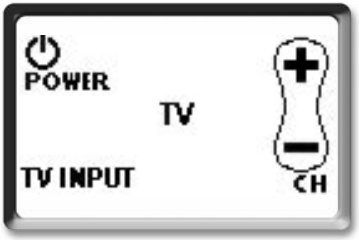
- Use ↔ **Left** or **Right** arrows to view options
- Use ◀ or ▶ navigate horizontally through the various DVD/Video menus.



Pause, Play, Rewind, Forward

- Press **Next** key again to access the last DVD/Video menu, the choices are self-explanatory.
- Select **Pause** to pause DVD/Video.
- Select **Play** to start playing DVD/Video.
- Select **Rewind** to skip backwards DVD/Video.
- Select **Forward** to skip forward DVD/Video.

The most commonly used TV commands are available through this mode.



Power On, Channels Up/Down

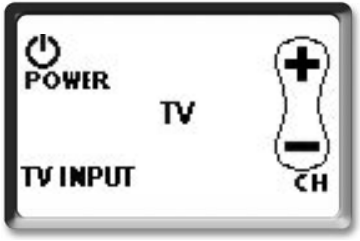
- Press **Home** key for the Device Selection window to show.
- Select **TV** to select TV mode.
- Select **Power** to turn TV On/Off.
- Use **+/-** to skip to next or previous channel.

Volume

- Press **Next** key to set TV volume options.
- Use **+/-** to increase/decrease TV volume.

TV Inputs Options

- Press repeatedly **TV Input** to select between the following TV input options.
- Use **S-Video** to select S-video input signal.
- Use **PC** to select PC input signal.
- Use **TV** to select TV input signal.
- Use **Video** to select video input signal.



Note: visualize options on TV screen.

In this mode it's possible to configure several of the remote's parameters such as: language, sleep mode, auto shut off delay as well as enabling display's backlight and contrast.

Selecting language

- Press **Home** key to display the Device Selection window.

- Press **Next** key to select device set up option.
- Select **Options** from the menu to view displayed options window.

Setting Language

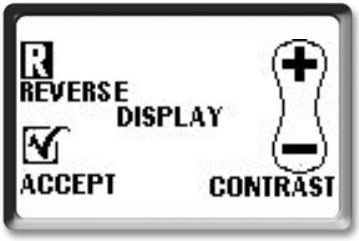
- Select **Language**.

- Using the corresponding multifunction key select the language of your choice.
- Select **Accept** to confirm choice.

- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to Spa menu without saving any changes.

Display Setup

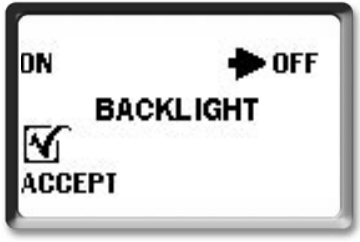
- Press **Home** key to display the Device Selection window.
- Press **Next** key to select device set up option.
- Select **Options** from the menu to view displayed options window
- Use **Display** to select displayed settings.
- Press and hold **+/-** to adjust contrast.
- Use **R (reverse)** if you like to reverse the display.
- Select **Accept** to confirm choice.



- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to device set up options window.

Backlight

- Press **Home** key to display the Device Selection window.
- Press **Next** key to select device set up option.
- Select **Options** from the menu to view displayed options window.
- Select **Backlight** to view its options.
- Choose backlight **On/Off**.
- Select **Accept** to confirm choice.



- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to back to device set up options window.

Auto-Off Mode

In order to preserve battery life you may select the delay for the display to turn itself off automatically. In this mode, you may select auto-switch off after 10, 20 seconds or after one minute of inactivity. Briefly press on any key for the display to awaken at the last window accessed.

- Press **Home** key to display the Device Selection window.
- Press **Next** key to select device set up option.
- Select **Options** from the menu to view displayed options window
- Select **Auto-Off** to view options.
- Choose display off after 10, 20 sec., or after 1 min.
- Select **Accept** to confirm choice.

- Answer Yes to the question "Are you sure?" to apply changes or simply press **Cancel** to go back to back to device set up options window.

Sleep Mode

Activating this power saving feature is recommended when the spa is stored away or not in use for prolonged periods of time to maximize battery life.

- Press **Home** key to display the Device Selection window.
- Press **Next** key to select device set up option.
- Press **Options** from the menu.
- Press **Next** key again and select Sleep mode.

- Answer Yes to the question "Are you sure?" to activate Sleep mode (the display goes blank when Sleep mode is on) or simply press **Cancel** to go back to device set up options.
- To reactivate remote, stand in front of the spa and press any key, the synchronization of data will take only a few seconds.

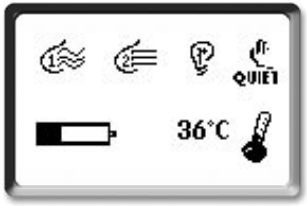
Charging the batteries

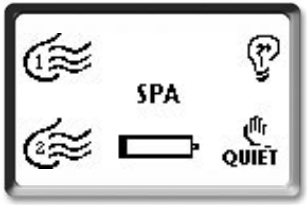
The B.O.S.S. handheld remote uses Ni-MH rechargeable batteries. Prior to using the B.O.S.S. remote for the first time, put it on charge for 24 hours. To charge the remote, simply insert it into its base (B.O.S.S. base unit).

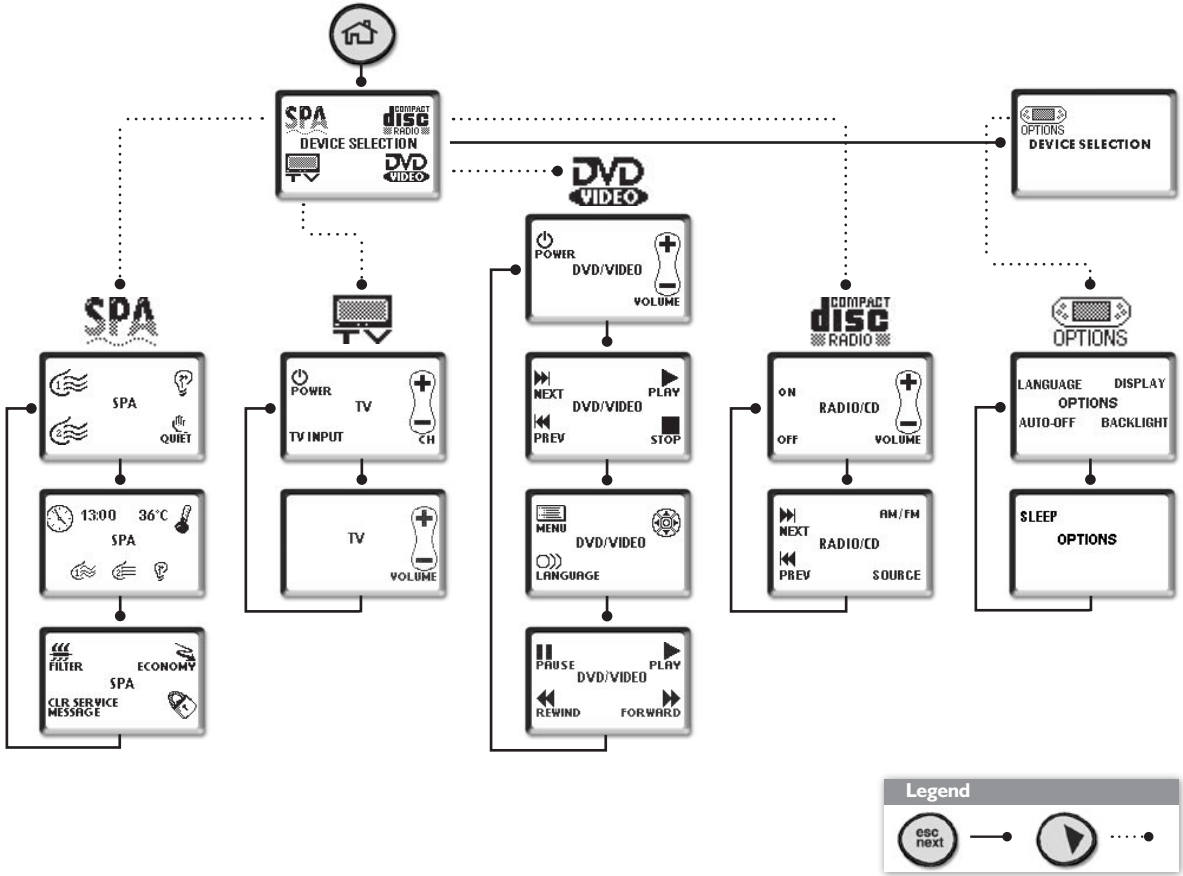
An animated icon on the display will indicate that the battery is being charged. At the end of the charge cycle, the battery icon will stop being animated and indicates a fully charged battery.

The remote cannot be overcharged, so it can be left in its base between uses. When the battery needs to be recharged, a blinking low battery icon will appear at the bottom of the LCD display (except in the Filter or Economy Menu). In the spa monitor window, a LOW BATTERY message instead of a battery icon will scroll on the LCD display.

Note: while in the recharge base, the remote keys on each side of the LCD display are disabled.






SPA
COMPACT disc RADIO
DEVICE SELECTION
DVD VIDEO
OPTIONS
DEVICE SELECTION
DVD VIDEO
POWER
DVD/VIDEO
VOLUME
SPA
QUIET
13:00
36°C
SPA
FILTER
ECONOMY
SPA
CLR SERVICE MESSAGE
TV
POWER
TV
TV INPUT
CH
TV
VOLUME
NEXT
PLAY
DVD/VIDEO
PREV
STOP
MENU
DVD/VIDEO
LANGUAGE
PAUSE
PLAY
DVD/VIDEO
REWIND
FORWARD
COMPACT disc RADIO
ON
RADIO/CD
OFF
VOLUME
NEXT
AM/FM
RADIO/CD
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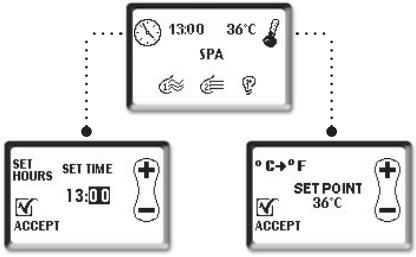
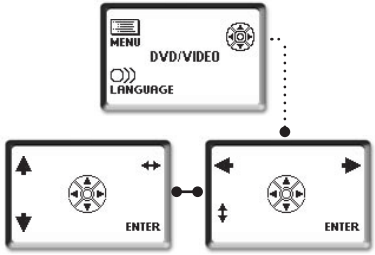
OPTIONS
LANGUAGE
DISPLAY
OPTIONS
AUTO-OFF
BACKLIGHT
SLEEP
OPTIONS
Legend
esc next

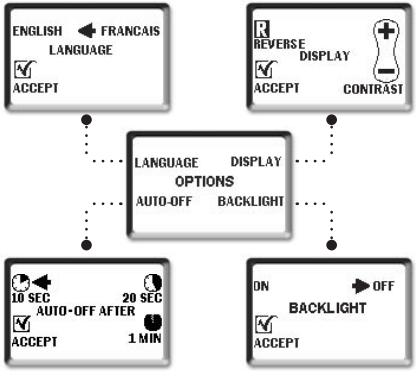
Time & Temp. Settings



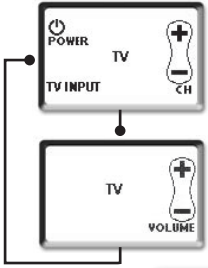
DVD Menu Settings



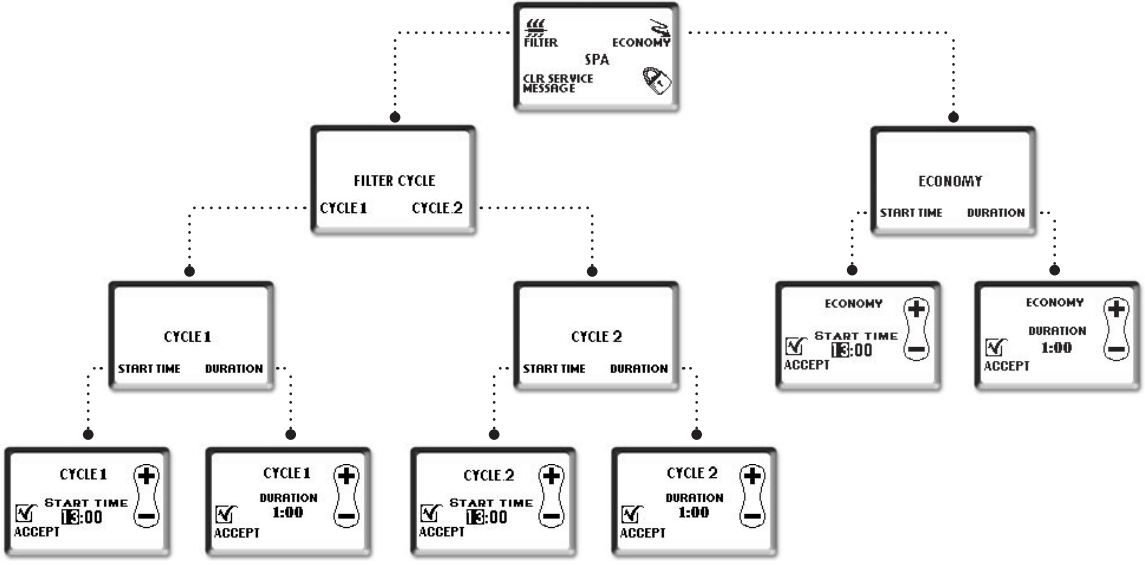
Remote Control Option Settings



TV Input Settings



Filter & Economy Settings



NOTES

B.O.S.S.

Coast Spas Manufacturing Inc.
www.coastspas.com

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