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FREELINK™ REMOTE CONTROL HANDBOOK

SC-5270 Freelink Remote Control
SC-5572-1 and SC-5572-1A Freelink Remote
Control Kit

92395657-01

Content: MP92395657-01 REV B

R ONLY

CAUTION: Federal law restricts this device to sale,
distribution and use by or on the order of a physician



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Additional Information

Refer to the *Information for Patients* manual for additional information on your Spinal Cord Stimulator System.

For Stimulator charging instructions, refer to the *Charger Handbook*.

For Patient Trial instructions, refer to the *Patient Trial Handbook*.

Labeling Symbols

For an explanation of labeling symbols, refer to the Labeling Symbols document.

Warranty

For device warranty information, visit (www.bostonscientific.com/warranty).

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This manual has been color-coded to help you use the Freelink™ Remote Control (RC) while referencing the manual.

All features of the RC listed in this menu may not be available to you (for example, Schedules). The settings displayed are dependent on your Stimulator, RC, and the therapy configured by your healthcare provider.

Each section is labeled and color-coded



Introduction to the Freelink Remote Control

Designed for ease of use, the Freelink RC is a hand-held device that allows you to communicate with and control your Stimulator. Typically, you will be using the RC to turn Therapy ON or OFF, increase or decrease stimulation strength, and change or modify Programs or Schedules that your healthcare provider has created for you.

Cautions



- Keep the RC dry. It should not be exposed to moisture.
- Do not connect the RC USB port to any other device except to the RC charger provided with it.
- Keep the RC away from pets, pests, and children to avoid damage to the device.







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Remote Control Buttons

Buttons are located on the front and sides of the RC as shown in the picture.

On the right side of the RC, you will find the Lock/Unlock button . On the left side, you will find the HOME button  and Programs button **P**.

On the front of the RC, you will find the Stimulation buttons closest to the screen. The Stimulation buttons include the Therapy ON/OFF button  and the  and  buttons. Below the Stimulation buttons are the Navigation buttons , which allow you to navigate through various menus.









Remote Control Screen


The RC screen displays menus, icons, status messages, error messages, and other information. The screen displayed is dependent on the therapy configured by your healthcare provider.

When the RC is not in use (for example, the buttons are not being pressed), the screen automatically darkens after approximately 1 minute to preserve the RC's battery power. The screen lights up when the RC is unlocked and remains on while the RC is being used. To change the brightness of the screen, see About System Settings on page 61.

Home Screen

The Home screen displays the number and name of the Program or Schedule currently running. Modify the stimulation strength of your therapy while a Program or Schedule is running by using the  or  buttons. Stimulation strength is displayed both graphically and as a percentage value of the maximum limit.

Icons at the top of the Home screen indicate the charge level of the Stimulator battery  and the RC battery , and whether Therapy is ON  or OFF .


You will only see the icon for the Stimulator battery  if your Stimulator has a rechargeable battery.

Note

Pressing the Home button  will return you to the Home Screen.



After you press the Therapy ON/OFF button  a large icon displays in the center of the screen to indicate on/off status. After a few seconds, the display will return to the Home Screen, examples shown below:



Therapy ON

Therapy ON

Program Number

Therapy OFF

Schedule Number

Program Number

Home Screen with Rechargeable Stimulator

Home Screen with Non-rechargeable Stimulator

1 Morning

52.1%

Main Menu

1 Program1

40.0%

Main Menu

4 Schedule 4

2 Lower Back

Total Time: 9.9 Day(s)

Completed: 0.8 hour(s)

Main Menu

Detailed description: This diagram illustrates the user interface of the Freelink Remote Control. On the left, a dark blue square button labeled 'Therapy ON' features a large orange sunburst icon. To its right, a vertical stack of blue callout boxes points to various elements on the device's home screen. The top callout, 'Therapy ON', points to the orange sunburst icon at the top center of the screen. The next callout, 'Program Number', points to the number '1' in a blue circle. The 'Therapy OFF' callout points to the orange sunburst icon when it is dimmed. The 'Schedule Number' callout points to the number '4' in a yellow circle. The final callout, 'Program Number', points to the text 'Lower Back' in the program details. On the right, two examples of the home screen are shown. The first, 'Home Screen with Rechargeable Stimulator', displays '1 Morning' and a battery level of 52.1%. The second, 'Home Screen with Non-rechargeable Stimulator', displays '1 Program1' and a battery level of 40.0%. Both screens include a 'Main Menu' button at the bottom.

Using the Remote Control

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Quick Start Guide



Unlock 



Start Therapy 



Decrease/Increase
Stimulation Strength

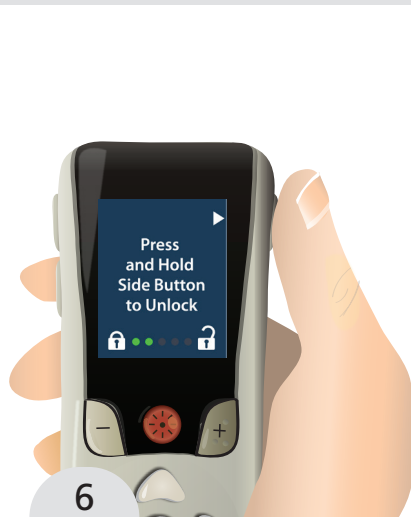




Stop Therapy 



Main Menu 





Lock 

Checking Stimulation Therapy Status

If you are receiving subperception therapy, you should not feel that stimulation therapy is ON.


Use the following procedure to check that stimulation therapy is ON.

Press the unlock/lock button on the side of the remote at any time, even if the Remote Control is in sleep mode.


The remote control screen should display either the Therapy ON icon  or the Therapy OFF icon .

If stimulation therapy is OFF, press the button again to turn Therapy ON.

Turn Stimulation Therapy ON/OFF

Stimulation therapy can be turned on and off by pressing the Therapy ON/OFF button . To turn stimulation therapy on, you must unlock the RC first; then, press the Therapy ON/OFF button. To turn stimulation therapy off, press the Therapy ON/OFF button again. Stimulation therapy can be turned off at any time, even when the RC is locked.



To **START/STOP** stimulation therapy, press 

Note

Stimulation therapy will not automatically turn off when the RC is locked or when the screen darkens to preserve power in the RC battery.





Adjust Stimulation Strength

To **DECREASE**
stimulation,
press



To **INCREASE**
stimulation,
press



Stimulation strength can be adjusted (after the RC is unlocked) by pressing the  or  button from the Home Screen. Stimulation strength can be adjusted when a Program or Schedule is running. This will decrease or increase the stimulation strength of the Program currently running.

Recharging the Remote Control

The RC displays messages reminding you to recharge the RC if the battery power is low.



Recharge the RC battery by connecting the RC to the USB Power Supply provided with the RC. Connect the power plug end of the USB Power Supply to a power outlet.

Remote Control Battery Service Life - The RC battery has a typical service life of 400 charging cycles.



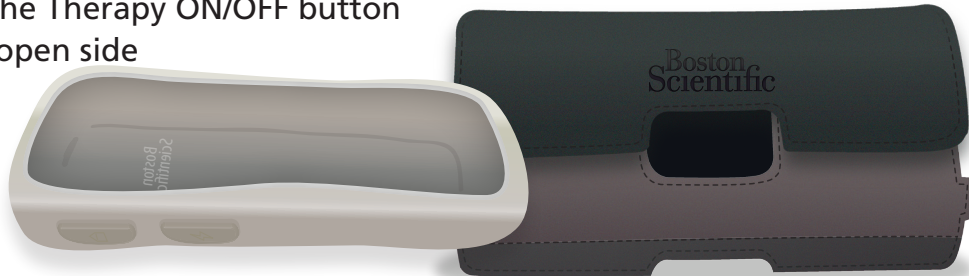
Accessories

The following accessories are provided with the RC:

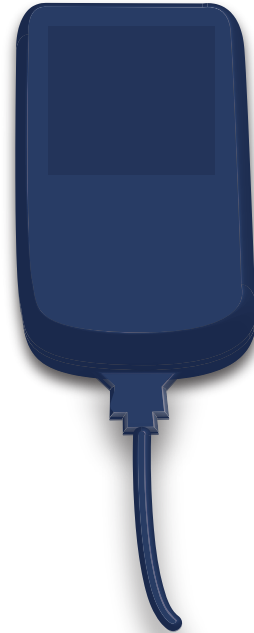
Remote Control Silicone Case - The RC Silicone Case allows you to customize your RC. You can access all the buttons, the USB port, and see the screen while the device is in the Silicone Case. The side buttons that are covered by the Silicone Case are still available for use.

Caution: Always place the RC in the Silicone Case so that the Therapy ON/OFF button  is on the open side of the case and remains uncovered.

Holster - The RC holster allows you to carry the RC on a belt. You can only access the Therapy ON/OFF button and the USB port of the RC while it is enclosed in the holster.



USB Power Supply - The USB Power Supply is used to recharge the RC battery. Connect the USB connector on the Power Supply to the RC. Then, find a convenient electrical outlet that will not expose the RC or Power Supply parts to water or direct heat. Connect the power plug on the Power Supply to a power outlet. The USB port on the RC is designed to accept a standard 5V Mini-B USB power supply.




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What Is a Program?

A Program **P** is a group of configured settings that produce the stimulation therapy to help you manage your pain. One or more Programs were configured by your healthcare provider (for example, at the clinic) after consideration of your pain management needs and preferences. Whenever you are using your Stimulator, one of these Programs is active, and stimulation is delivered according to the configured settings. Up to 16 customizable Programs can be configured on a Stimulator – each one identified by a number and a name, such as **1** **2**... “Program 1”.

Each Program **P** can include settings for one or more Stimulation Areas . These Stimulation Areas control additional parameters that can affect your stimulation therapy. For more information about Stimulation Areas, go to [What Is a Stimulation Area? on page 56](#).



The image to the right illustrates the relationship between Programs and Areas. In this example, Program 1 is made up of four unique Stimulation Areas:

- Area A
- Area B
- Area C
- Area D



Accessing Programs




Note

After entering the Main Menu , the  button can also be pressed to make a selection.

If your healthcare provider has configured Programs that can be changed, there are two ways to view the Programs menu:

Press the Programs button **P** on the left side of the RC.











From the Main Menu , select Programs  by pressing .




Overview of the Programs Menu

If your healthcare provider has configured Programs that can be changed, you can do any of the following operations:



- Turn Therapy ON/OFF  and adjust stimulation strength   for the Program currently running
- Change  the currently running Program to a different Program (if available)
- Save  any changes that you make to a Program
- Restore  a Program to the settings that your healthcare provider last configured for you
- Copy  the settings from one Program to another Program
- Delete  a Program

Select a Program



From the Home Screen, press  to display the Main Menu .





Press  again to enter the Programs menu .



Press  again to enter the menu .




4


Press   to select the desired Program.



5

Press  to activate the selected Program.

Note

If any changes were made to your therapy (for example, changing stimulation strength), a **Save Changes**  confirmation screen will appear before proceeding with the selected operation.



Save a Program

If you have made changes to your therapy (for example, stimulation strength), you can save the changes as the default settings for that Program. The new settings will remain until a new change is saved or the Program is restored to the settings that your healthcare provider last configured for you.



From the Main Menu
, press  to
select Programs .



Press  to
highlight Save .

Press  to
select Save .



Select Yes ✓ to confirm or No ✗ to cancel.



The Save confirmation screen displays.

If you select Yes, the Saved screen will display to show you that you have successfully saved.

Note

Get quick access to the Programs menu

P by pressing the Programs button **P** on the left side of the RC.





Restore a Program



If after saving changes to a Program, you decide that you want to change the Program back to the way it was configured by your healthcare provider, you can do so by restoring the Program.



From the Main Menu
☰, press  to
select Programs .




Press  twice to highlight
Restore to Clinic Settings .

Press  to select Restore to
Clinic Settings .





The Restore screen will display all Programs that were configured by your healthcare provider.

3

Navigate to the Program you wish to restore and press .



4

Select Yes  to confirm or No  to cancel.



5

If you select Yes, the Restored screen will display to show you that you have successfully restored the program.

The Restore confirmation screen displays.


Copy a Program

If you want to create a new Program similar to one that you already have, you can copy an existing Program to create a new one. You may want to do this, for example, if you generally like Program 1, but want to change its settings. Copying Program 1 to a different Program will allow you to retain Program 1 as-is, but create a new Program that can be changed to better meet your therapy needs.

1

First, activate the Program that you want to copy. See [Select a Program on page 28](#).



From the Main Menu ☰, select Programs **P**, then select Copy to .



Programs that were configured by your healthcare provider cannot be overwritten and do not appear on the "Copy To..." Program list.



Navigate to an existing or Empty Program to which the settings are to be copied.

If you select a Program that is not Empty, the Overwrite confirmation screen displays. Select Yes ✓ to overwrite the settings for this Program or No ✗ to cancel.



Delete a Program

Deleting a Program will completely remove the Program from the Stimulator. Once the Program is deleted, it cannot be recovered. Programs that were configured by your healthcare provider cannot be deleted and do not appear on the “Delete” Program list. Only Programs that were created using the “Copy To...” feature can be deleted.




From the Main Menu
☰, press  to
select Programs .






Navigate to Delete  and press .



Navigate to the Program you wish to delete and press .



Navigate to Yes  to confirm or No  to cancel, then press .

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Using Schedules

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What Is a Schedule?



A Schedule is a therapy mode that automatically cycles through a group of Programs and Wait periods. A Wait period is a programmed period of time during your therapy when stimulation therapy is off. One or more Schedules may have been configured by your healthcare provider.

If Schedules have been configured by your healthcare provider, they will be available to you in your RC as a therapy option. Up to four customizable Schedules can be configured on a Stimulator – each one identified by a number and a name, such as **1** **2** ... "Schedule 1".

Schedule Number and Name

Program Number and Name



Each Schedule  can include one or more Programs  and Wait periods. For more information about Programs, go to [What is a Program? on page 20](#). Each of these Programs are made up of one or more Stimulation Areas. For more information about Stimulation Areas, go to [What Is a Stimulation Area? on page 56](#).

The image to the right illustrates the relationship between Schedules, Programs, and Wait Periods. In this example, Schedule 1 is made up of 5 unique Programs and a single Wait period:







- | | | |
|------------|-----------|-----------|
| Program 1 | Program 4 | Program 7 |
| Program 10 | Program 8 | Wait |

Accessing Schedules

If your healthcare provider has configured Schedules, Schedules can be accessed by entering the Main Menu.









From the Home Screen, press  to enter the Main Menu .

Press  until Schedules  is highlighted.

Press  to enter the Schedules Menu .





Overview of the Schedules Menu

If your healthcare provider has configured Schedules to your stimulator, then you can do any of the following operations:



- Turn Therapy ON/OFF  and adjust stimulation strength   for the Program running
- Change  or Activate a Schedule
- Exclude Program  to remove the current Program from the currently running Schedule
- Next Program  to skip the current Program within the currently running schedule

Activate or Change Schedules



From the Main Menu , press  to highlight Schedules and press  to enter the Schedules Menu .



Press  to enter the Change Schedule Menu .




3

Press   to select the desired Schedule.



4

Press  to activate the selected Schedule.

Exclude a Program from a Schedule

Note





A Program can be permanently removed from a Schedule, but will remain in the Programs menu.

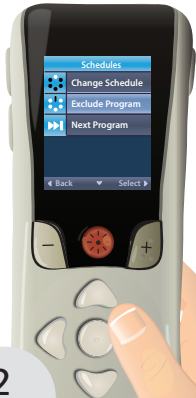


If you no longer want to have an active program in your schedule, you can permanently remove that Program from running in that Schedule.






1

From the Main Menu , press  to highlight Schedules and press  to enter the Schedules Menu .





2

Press  to highlight Exclude Program . Press  to exclude current program from the Schedule.



3

Select Yes  to confirm or No  to cancel.



4

The Program Excluded confirmation screen displays.

If you select Yes, the Program Excluded screen will display to show you that you have successfully excluded that Program.





Skip a Program in a Schedule

Note

A skipped Program is not permanently removed from a Schedule. The Program is skipped one time and will remain in the Schedule for the next cycle.



Skipping a Program allows you to advance to the next Program in an active Schedule without permanently removing it from that Schedule. If you would like to permanently remove an active Program from your schedule, see **Exclude a Program from a Schedule on page 46.**




From the Main Menu  , press  to highlight Schedules and press  to enter the Schedules Menu .





2

Press  to highlight Next Program .

Press  to skip current program in your Schedule this one time.



3

Select Yes  to confirm or No  to cancel.



4

The Program Advanced confirmation screen displays.

If you select Yes, the Program Advanced screen will display to show you that you have successfully skipped the Program.

SCHEDULES

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What Is a Therapy Rating?

Note

Only provide feedback on the therapy to the pain areas targeted by your stimulator.



Depending on the therapy that was configured by your healthcare provider, you may be able to enter a Therapy Rating. The Therapy Rating is a way for you to communicate real time preferences to different therapy types you may receive. Your preferences are recorded on a five star rating scale.





This information can be used to help your healthcare provider optimize your therapy in the future, so that your therapy can be customized to your needs.

A Therapy Rating can be entered at any time.

Entering a Therapy Rating






1

From the Main Menu , press  to highlight Therapy Rating and press  to enter the Therapy Rating Menu .



2

Press  or  to highlight the desired Therapy Rating and press  to select the Therapy Rating.



3

The Therapy Rating Recorded confirmation screen displays.





THE THERAPY RATING




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Configuring Stimulation Areas

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What Is a Stimulation Area?





A Stimulation Area  is the building block of a Program . Each Program can include settings for up to 4 Stimulation Areas. Each Stimulation Area is identified by a letter and a name, such as   ... "Area A".

These Stimulation Areas control parameters that can affect your stimulation therapy. These parameters are Amplitude , Pulse Width , and Rate . If your healthcare provider has configured these parameters to be adjustable, they can be changed and balanced for each individual Stimulation Area.




Change a Stimulation Area Parameter




From the Main Menu  press  to navigate to Stimulation Areas , then press  to select it.

AREAS



Navigate to the Area that you want to adjust and press .





Navigate to the parameter that you want to adjust and press .

continued to next page






Press the  or  button to decrease or increase the value for the selected parameter.




To change another parameter, press the left Navigation button to return to the Area parameter menu. Repeat steps 3 - 4. To change a parameter in a different Area, return to the Area list in step 2.





When all desired changes have been made, press  repeatedly until you return to the Home Screen.

Note

Increasing the values for these parameters, especially Rate , may significantly increase the energy required for stimulation therapy. This may lead to longer or more frequent recharging of the rechargeable Stimulator or a lower life span on the non-rechargeable Stimulator.



Save and Restore an Area in a Program







To save any Area parameter changes so that they are the default parameters, you must save the Program **P**. This will save all changes to any Area within that Program. You cannot save the changes for each individual Area independently of changes for other Areas in the same Program. See [Save a Program on page 30](#).


If, after saving changes to a Stimulation Area in a Program, you decide that you want to revert the Stimulation Area back to the way it was configured by your healthcare provider, you can do so by restoring the Program **P**. Restoring the Program will restore all of the Stimulation Areas of that Program. See [Restore a Program on page 32](#).

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About System Settings



Using the System Settings , you can set or change RC interface settings, such as the Alert Volume , the Screen Brightness , the Language setting . In addition, you can view information about the RC  and the Stimulator .

Your healthcare provider can access special functions through the Clinician Menu  (password protected) to aid you in your therapy.







Adjust Screen Brightness



From the Main Menu , select System Settings .

Select Remote Settings  by pressing .



Select Screen Brightness  by pressing .

Press the  or the  button to decrease or increase Screen Brightness.



Adjust Volume



The RC emits a single, short “beep” whenever you press a button. The volume of the alert can be adjusted or turned off.



From the Main Menu , select System Settings .

Select Remote Settings  by pressing .



Select Alert Volume  by pressing .



Press the  or the  button to increase or decrease screen volume.



View Information About Your Remote Control or Stimulator



You can view basic information about your RC and Stimulator that may be helpful for your healthcare provider when troubleshooting an issue.



From the Main Menu , select System Settings .

Select System Info  by pressing .

Select Remote Info  by pressing .

Select Stimulator Info  by pressing .

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About MRI Mode

Note

Always carry your Charger (for rechargeable Stimulators) and Remote Control with you to the MRI center, but never into the scan room. The Remote Control and Charger are MR unsafe and must not be taken inside the scan room.





You must use the Remote Control to enable MRI Mode on the Stimulator before an MRI scan is performed and exit MRI Mode after the MRI scan has been completed. For rechargeable Stimulators, the battery must be fully charged before MRI Mode is enabled.


Your healthcare provider and MRI center must ensure all guidelines listed in the *ImageReady™ Full Body MRI Guidelines for WaveWriter™ Alpha Systems* are followed before an MRI scan is performed. Ask your healthcare provider or MRI center to contact Boston Scientific or visit the Boston Scientific websites (www.bostonscientific.com/ImageReady or www.bostonscientific-elabeling.com) for the latest version of the ImageReady MRI guidelines manual.

Enabling MRI Mode





From the Home Screen, select  to display the Main Menu .





From the Main Menu, select System Settings .



Press  to navigate to the Enter MRI Mode .



Select  Yes to enter MRI mode or  No to cancel the action.



CAUTION


The Remote Control is MR Unsafe and must not be taken into the MRI Scanner Room

Note

Stimulation is automatically turned OFF when MRI Mode is enabled.

The Stimulator performs a series of checks before MRI Mode is enabled.



The MRI Mode Enabled confirmation screen displays and stimulation therapy is turned OFF.

The Home Screen will display the MR Conditional Symbol  when MRI Mode is enabled. Always check the MRI Home screen before entering the MRI scan room.


Disabling MRI Mode

Upon completion of the MRI scan, the Remote Control is used to disable MRI Mode.





From the Home Screen, select  to display the Main Menu .





From the Main Menu, select System Settings .



Press  to navigate to the Exit MRI Mode .



Select  Yes to exit MRI mode or  No to cancel the action.




The Stimulator performs a series of checks before MRI Mode is disabled.



MRI Mode disabled confirmation screen displays.



The Home Screen on the Remote Control will not display the MR Conditional Symbol  once MRI Mode is disabled.

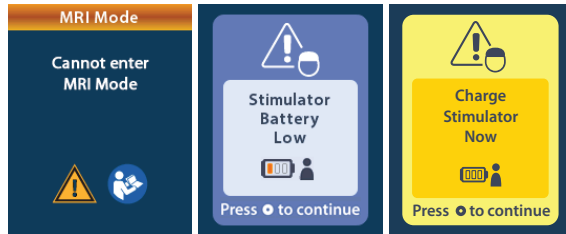
Note


The Stimulator keeps the settings that were set before enabling MRI Mode. If stimulation therapy was ON before MRI Mode was enabled, then disabling MRI Mode turns stimulation therapy back ON. If stimulation therapy was OFF before MRI Mode was enabled, then disabling MRI Mode keeps stimulation therapy OFF.

MRI Mode Error Messages (Rechargeable Stimulators Only)

Charge Stimulator Now Screen

The Stimulator battery must be fully charged before MRI Mode is enabled. If the Stimulator battery is not fully charged, one of the following messages will display.



Press  to dismiss the error and charge the Stimulator without enabling MRI Mode. Enable MRI Mode after the Stimulator is fully charged.

Caution

The Charger is MR Unsafe and must not be taken into the MRI Scanner Room

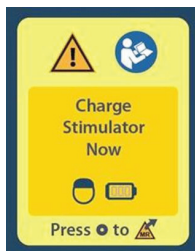
Note

Always make sure to fully charge your Stimulator before an MRI scan.

Depending on the Stimulator battery level, it may take a few hours for your Stimulator to be fully charged.


Charge Stimulator Now or Disable MRI Mode Screen

A Charge Stimulator Now error message also appears when MRI Mode is enabled and your Stimulator battery level falls below the recommended value.





You can either disable the MRI Mode before charging your Stimulator or charge your Stimulator without disabling MRI Mode.

Disable the MRI Mode before charging your Stimulator

Press  to disable MRI Mode. Charge your stimulator and enable MRI Mode after the error message has disappeared and your stimulator is fully charged.

OR

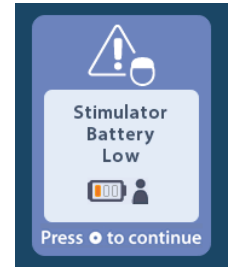
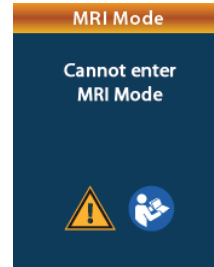
Charge your Stimulator without disabling MRI Mode

Do not press  and charge your Stimulator. The error message disappears after your Stimulator is fully charged. Make sure the Home Screen still displays the MR Conditional symbol  before performing an MRI.

MRI Mode Error Messages (Non-Rechargeable Stimulators Only)

Stimulator Battery Low


A Stimulator that has entered the Elective Replacement Indicator (ERI) or End of Service (EOS) period cannot be placed into MRI Mode. MRI Mode will not be enabled and the Remote Control will display “Cannot enter MRI Mode” and then “Stimulator Battery Low” messages. Your physician should not perform an MRI scan.



ERI or EOS During MRI Mode

If MRI Mode has already been enabled and the Stimulator battery power falls below the threshold value, the Remote Control will display a message that the Stimulator has entered the Elective Replacement Indicator (ERI) period or has reached End of Service (EOS) of the device.



Press  to disable MRI Mode. Your physician should not perform an MRI scan once MRI Mode has been disabled.

MRI Mode Error Messages

Impedances out of Range Screen


While enabling MRI Mode, the system performs a check of lead impedances. If the impedances are not within the acceptable range, the Remote Control will display an error message.





1

Press  to acknowledge the message.



Press  to acknowledge the message. Your physician or healthcare provider must check the integrity of the leads and review the risks listed in the Physician Manual *ImageReady™ Full Body MRI Guidelines for WaveWriter Alpha System* before proceeding with an MRI scan.

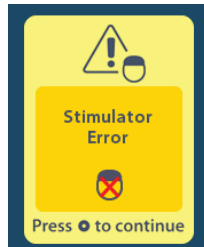


Select  Yes after Physician approval to Proceed with Enabling MRI Mode or  No to cancel the action.

MRI Mode Error Messages

Stimulator Error Screen

If the system check fails due to a Stimulator error, MRI Mode will not be enabled and the Remote Control will display the Stimulator Error Screen. Your physician should not perform an MRI scan if this error is displayed. Contact the physician managing your SCS System or Boston Scientific.





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Save Changes Screen

The Save Changes  confirmation screen will appear under the following conditions:

- One or more changes have been made to the Program currently running, including: changes in stimulation strength (on the Home Screen), changes to any of the Stimulation Area parameters AND...
- The Program that is running is about to be changed to a different Program. This can occur when selecting either Change Programs  or Restore to Clinic Settings  from the Programs Menu.

If you want to save the change(s), select Yes – Save . These settings will be the default settings the next time this Program is selected to be run.

If you do not want to save the change(s), select No – Discard. The original Program settings will be maintained and any change(s) will be discarded. The RC will then proceed to the function that you selected – either Change Programs  or Restore to Clinic Settings .

Rechargeable Stimulators

For a rechargeable Stimulator, the following on-screen messages will display when your Stimulator battery is low.

For instructions on recharging, refer to the *Charger Handbook*. The RC will not communicate with your Stimulator while charging.



Trial Stimulator

For a Trial Stimulator, the following on-screen messages will display when your Trial Stimulator battery is low.

For instructions on replacing your Trial Stimulator batteries, refer to your *Trial Handbook*.



Low Battery Messages

The RC will provide on-screen messages to remind you when your RC battery is low. The following onscreen messages display:

Refer to Recharging the Remote Control on page 19 of this handbook for more information on charging your RC.



Charging Remote Screen

This screen is displayed when the RC is being used and the USB power supply is plugged in.



Charger Disconnected Screen

This screen is displayed when the RC is being used and the USB power supply is disconnected.



Remote Battery Full Screen

This screen is displayed when the RC is being used and the RC battery becomes fully charged.



Button Stuck

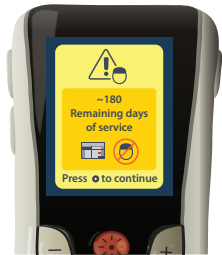
If a button is stuck on the RC, other button presses may not function as intended. The RC will provide the following on-screen message if it detects a stuck button:




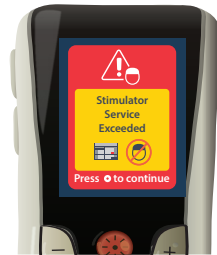
Please attempt to resolve the stuck button in order to restore proper functionality of the RC.

End of Programmed Service

Your Stimulator software has been programmed to end service after a defined period. When your Stimulator is within approximately 180 days of the end of its programmed period, the RC will display the following on-screen message:



Press  to clear the message. The message will reappear approximately weekly until the end of the Stimulator's programmed period is reached. When the end of its programmed period is reached, the RC will display the following on-screen message:



ERI Screen: Only Applicable to Non-rechargeable Stimulators

When the battery of a non-rechargeable Stimulator is nearing depletion, it will enter Elective Replacement Indicator (ERI) mode and will display the following message: “Stimulator near end of service. Call your doctor.”



In ERI mode you will no longer be able to save changes made to your stimulation on the RC and your stimulator must be replaced to continue receiving stimulation. Surgery is required to replace the implanted nonrechargeable neurostimulator.

Call your clinician to report this message screen. Press the select key to clear this information screen. This screen will appear whenever the remote control is activated.

End of Battery Life Screen: Only Applicable to Non-rechargeable Stimulators

When the implanted non-rechargeable stimulator has reached its end of service, the RC will display the following message: “Stimulator at end of service. Call your doctor.”

Stimulation therapy is not available.



Troubleshooting

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Telemetry Help



The RC has a typical communication range of up to 3 meters (9.8 ft) with the Boston Scientific WaveWriter Alpha or WaveWriter Alpha Prime Implantable Pulse Generator, and a typical communication range of up to 6 meters (19.7 ft) with the compatible Boston Scientific External Trial Stimulator.

Common sources of interference, such as televisions and computer monitors, can affect wireless communication. You will continue to have access to the RC menus even if the RC is outside its effective communication range.


If you enter a command to change your settings or programs while the RC is outside of its effective communication range, you will have several seconds to move the RC within range of the stimulator to send the command. After the command is received by the Stimulator, the remote control will make a “double beep” and display the requested change.


If the RC is unable to communicate with the Stimulator, the “Communication Failed” message will appear:



To retry communication with the Stimulator—this resends the last command—select Retry . To cancel communication and return to the System Settings screen, press .

Bluetooth® Help

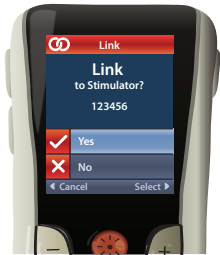
The Bluetooth Help tool is also available to assist you in improving communication between the RC and the Stimulator. To use the Bluetooth Help tool, select Bluetooth Help . The following screen will be displayed:

The bars indicate the strength of wireless communication. The number of bars will change depending on the distance and orientation of the RC from the Stimulator. This tool will continue to measure the strength of communication for 60 seconds or until  is pressed.



Unlinked RC

The RC and Stimulator must establish a one-to-one link in order to communicate. This prevents a RC from accidentally communicating with an undesired Stimulator. If your RC is not linked to your Stimulator (when you have a brand new RC), the following screen will appear and will prompt you to link the RC to the Stimulator:



Select Yes ✓ to complete this link. The RC will search for any Stimulators in the vicinity and display them on the screen. Navigate to the desired Stimulator and select it. The RC and Stimulator will synchronize. When the RC is ready to use, the Home Screen will appear.

If you select No ✗, the RC will not link to a Stimulator and will display the System Settings screen.

No Program to Run Screen

This screen is displayed when the Stimulator has no Programs to run.



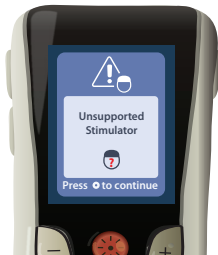
Invalid Program Screen

This screen is displayed when the Stimulator attempts to run an invalid Program.




Unsupported Stimulator Screen

This screen is displayed when the RC detects an incompatible Stimulator.




System Settings Reset Screen

This screen is displayed when the RC experiences an error and a reset of the RC is required. Press  to continue. All RC settings will be restored to the default factory settings. The programs in the stimulator are not affected by this reset.



Stimulator Error Screen

The Stimulator Error is a non-critical error. Press  to acknowledge the message and continue.



Remote Error Screen

This screen is displayed when there is a critical error on the RC which causes the RC to be unusable. Please contact Boston Scientific or your healthcare provider to order a replacement RC.



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Icon Description

A



Alert Volume



Amplitude



Areas

C



Change Program



Clear All Pairings



Clinician Menu



Copy to

D



Delete Program

E



Enter MRI Mode



Exit MRI Mode

H



Home

L



Languages

M



Main Menu



MR Conditional Symbol

N



Navigation



No

P



Program



Program Slot



Pulse Width

R



Rate



Remote



Remote Battery



Remote Information



Restore to Clinic Settings



Retry

S



Save Changes



Save Program



Schedules



Screen Brightness



Stimulation Area



Therapy OFF



Therapy ON



Stimulator



Stimulator Battery



Stimulator Information



System Info



System Settings



T
Therapy Rating



Trial Stimulator Battery

Y



Yes

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Boston Scientific

Advancing science for life™



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