

TECH-NOTE



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REMSTAR PHONE OPTION

The Phone Option is a user-friendly modular unit that enables the user to control the Remstar with the simple use of a phone. This option *increases* the range of the Remstar and allows the user to control the pump from practically anywhere in the world. All you have to do is dial-in from any phone and your pump will be at your command.

THE PHONE OPTION INCLUDES:

- Phone option module
- Watertight impact resistant case
- Headset cable
- 12V charging socket
- Connection cable
- Carrying bag



Note:

The following was used during testing:

- Iridium 9505A handheld satellite phone
- AeroAntenna Technology Inc. auxiliary antenna
- Satellite network provider: Infosat
- Samsung SPH-A660 cellular phone
- Cellular network provider: Bell

Results with other phones and network providers may vary.



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FEATURES

Increased range

- Cell phone: as long as the phone option unit is within cell phone coverage, communication can be established with the Remstar
- Satellite phone: practically unlimited range (contact your satellite network provider for more details on coverage)
- Note: proper communication is dependent on signal strength

Security

- 4-digit secure pass-code

User-friendly

- "Voiced" feedback messages
- Easy to use menu
- Status of the pump at any time

Constantly charges phone battery

- The **receiver** phone is constantly charged with the use of a 12V charging adapter.

PHONE

Any cellular or satellite phone will work with the unit, as long as a 2.5 mm standard headset port is available on the phone. "Handsfree" mode and "auto-answer" mode are also required.

The **receiver** phone needs to be configured properly in order to work with the system. You will need to:

1. Enable "hands-free" mode
 2. Enable "auto-answer" mode
- (Refer to your phone user manual.)

INSTALLATION

INSTALLING THE **RECEIVER** PHONE INSIDE THE CASE

The phone option case can accommodate a cellular or a satellite phone. The phone acts as a receiver and transmits your commands to the phone option module. Your choice of cellular or satellite phone will depend on the network coverage in the area where your pump will be set-up.

Note: Satellite and cellular phone will not work *simultaneously* with the phone option module.

First, you will need to connect the headset cable to your cellular **or** satellite phone.

IMPORTANT: MAKE SURE THE JACK IS FULLY INSERTED IN THE PHONE HEADSET PORT.



HEADSET CABLE



INSTALLATION (CONTINUED)

Secondly, in order to keep your **receiver** phone battery fully charged, you will need to install the phone 12V charging adapter. Simply insert the adapter in the socket and connect the wire to the phone.

The cables can be passed underneath the foam for a clean installation.

IMPORTANT: MAKE SURE ALL CABLES AND WIRES ARE PROPERLY CONNECTED.

When ready, turn on the **receiver** phone. Make sure "hands-free" and "auto-answer" modes are enabled. Adjust the earpiece volume to 80% for optimal results.



12V
CHARGING
SOCKET

PHONE 12V
CHARGING
ADAPTER

AUXILIARY ANTENNA FOR USE WITH SATELLITE PHONE

Since the case should be closed for protection of the internal components, it will require the installation of an auxiliary external antenna when using a satellite phone. A weather-proof connector is supplied with the phone option. Simply pass the antenna cable through the rubber plug and the weather-proof connector, tighten the cap and connect it to the **receiver** phone. When not in use, the antenna can be safely stored inside the case.



WEATHER-PROOF
CONNECTOR
FOR AUXILIARY
ANTENNA

AUXILIARY
ANTENNA

INSTALLING THE PHONE OPTION TO THE REMSTAR

The unit can be installed in three simple steps:

1. Disconnect the cable between the Remstar and the pump.
2. Connect the phone option unit to the Remstar using the connection cable (see picture).



3. Re-connect the Remstar to the pump.
The system will power up and will be ready for use.

Note: Always make sure case is properly closed after installation.

INSTRUCTIONS

Read instructions thoroughly before proceeding with any of the steps.

INSTALLATION (CONTINUED)

If it is the *first time* you are calling, you will need to set up your 4-digit pass-code. How to set up your pass-code:

1. Call the **receiver** phone unit.

The phone will ring (1-2 times, depending on your phone model) and will auto-answer (there will be a silence).

2. Press 0. Wait for confirmation "beep".

3. The following message will be played: "Please enter your new 4-digit pass-code".

Note: When entering your pass-code, you should hear a confirmation "beep" after each key. Make sure to wait for the confirmation "beep" before pressing the next key. If you do not hear the confirmation "beep", this means that the unit did not register the key. Press the key again.

Enter your secret 4-digit pass-code.

4. The following message will be played: "Please re-enter the pass-code to confirm"

Re-enter your 4-digit pass-code.

If *successful*, you will *hear* "Your pass-code has successfully been modified".

Note: If *unsuccessful*, you will hear: "Your pass-code is invalid". Wait 5 seconds and repeat steps 2 to 4.

5. Hang up the phone.

HOW TO USE YOUR PHONE UNIT

1. Call the **receiver** phone unit.

The phone will ring (1-2 times, depending on your phone model) and will auto-answer (there will be a silence).

2. Press 0. Wait for confirmation "beep".

3. The following message will be played: "Please enter your pass-code"

Enter your pass-code.

Note: When entering your pass-code, you should hear a confirmation "beep" after each key. Make sure to wait for the confirmation "beep" before pressing the next key. If you do not hear the confirmation "beep", this means that the unit did not register the key. Press the key again.

If *successful*, you will hear the following message: "Welcome to Wildfire pumping station ####". Each unit is pre-identified with a 3-digit serial number. If operating multiple units, it is good practice to record the location of each unit.

Note: If *unsuccessful*, you will hear: "Your pass-code is invalid. Please enter your pass-code".

The menu will be played: "Press 4 to start the pump; press 6 to stop the pump; press 0 for status."

TO START THE PUMP

Press 4.

The following message will be played: "Starting the pump"

While the pump is in the process of starting, you will hear the following message: "Checking pump status". It may take a few seconds to check the pump status.

If your pump has started *successfully*, you will hear the following message: "Your pump is running".

Note: If after 30 sec. you do not hear the message "Your pump is running", **press 0** for status. If you hear "Checking pump status", this means the Remstar is going through its starting process. If you hear "Your pump is off", this means the Remstar has failed to start the pump after 3 attempts. You can try to start it again. If it fails once more, you should have the pump setup verified.

Note: There is a safety feature in the phone unit that will prevent the Remstar from starting the pump if it is already running. If the pump is already running and you **press 4** (to start the pump), you will hear the message "Your pump is running".

TO STOP THE PUMP

Press 6.

The following message will be played: *"Pump shut down"*. The Remstar will shut down the pump.

Note: If the pump is already off and you **press 6** (to stop the pump), you will hear the message *"Your pump is off"*.

TO CHECK PUMP STATUS

Press 0.

If the pump is running, you will hear the following message: *"Your pump is running"*.

If the pump is off, you will hear the following message: *"Your pump is off"*.

NOTE: IF YOU DON'T PRESS ANY KEY FOR 90 SECONDS, YOU WILL AUTOMATICALLY BE LOGGED OUT OF THE SYSTEM. TO RE-ENTER THE SYSTEM, FOLLOW THESE STEPS:

1. **Press 0.** Wait for confirmation *"beep"*.
2. The following message will be played: *"Please enter your pass-code"*.

Enter your pass-code.

IMPORTANT

Setup

ALWAYS make sure that the Remstar, the Phone Option and the pump setup are working properly. It is highly recommended to go through a few trial runs to verify that everything is working properly and that the **phone signal** is strong. Please refer to the installation manual or user manual for more information on the Remstar setup.

Signal

Avoid obstructing the phone and its antenna. Seek best possible location to obtain the strongest phone signal. Avoid low signal strength as it may cause an error in the operation of the Remstar.

To obtain best possible results when using an auxiliary antenna for the satellite phone:

- Position antenna outdoors with 80% view of the sky
- Keep away from tall buildings and trees
- Make sure the antenna is properly connected
- Avoid placing near other antennas and radar devices

Contact your wireless network provider and phone manufacturer for additional information on signal strength and antenna positioning.



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