



R.S. Beeper Box™ OPERATING MANUAL

THANK YOU!

CONGRATULATIONS and THANK YOU for purchasing the RS Beeper Box produced by Judith Mountain Technologies, LLC.

This product is the result of a lot of hard work and investment by a few committed pilots with a desire to not drive to the airport every time they wanted to preheat their planes. We truly hope you appreciate what this product will do for you, and welcome any suggestions you may have for future improvements. As fellow pilots and aircraft owners, we understand the importance of making sound investments in our aircraft and the products to support them. Please let us know if you like, or even dislike, some aspects of the RS Beeper Box -- we'll do what we can to continue to improve the product. We'll also do our best to promptly respond to any email sent to us at info@judithmountain.com

In order for your RS Beeper Box to operate properly, it is important that you carefully read and understand the attached information **PRIOR TO PURCHASING** a cell phone or pager and activation of service. Our product works very well if configured properly. Please take the time to learn about it!

RS Beeper Box / Judith Mountain Technologies, LLC

www.judithmountain.com

Email: info@judithmountain.com

Phone: 406-366-5906

Judith Mountain Technologies, LLC, PO Box 116, Lewistown, MT 59457



R.S. Beeper Box™

OPERATING INSTRUCTIONS

WARNING! This product is NOT designed or intended for use in mission-critical settings or for any life-saving or medical-related flights! While the product is quite reliable, in certain conditions the box may not activate – DO NOT trust it with your life or others' lives...it is a convenience product only!

WARNING! This product is designed for use in dry, indoor settings only!

Do not place the Beeper Box where it can get wet. Do not use the Beeper Box outdoors.

1. **WARNING!** Ensure that the Beeper Box's power cord is NOT plugged into a receptacle while making setting adjustments, changing the external fuse or while the box's cover is open. If the box is plugged into a power receptacle, UNPLUG THE POWER CORD BEFORE PROCEEDING! (Indicator lights should be off.)
2. Open the cover of the Beeper Box and select the desired on/off/timer setting by turning the timer selection switch protruding from the plate to the desired setting. A settings reference chart is attached to the inside of the cover of the Beeper Box.
3. Set your pager or cell phone for "audio on" (so that the device's tones can be heard), and select a traditional "beep, beep, beep" or "ring, ring, ring" style ringtone or page. **Be sure to test the unit prior to use!** See "Testing Suggestions" in this manual.

We strongly recommend that prior to purchasing or committing to a specific pager/cell phone service, you first test the pager/cell phone you intend to use, using an actual RS Beeper Box. Hint: take your RS Beeper Box with you to the service provider's location and test the box there!

4. For best results, position the pager/cell phone with its speaker hole(s) closest to the microphone hole in the faceplate.
5. Using the supplied hook-and-loop material, adhere the pager/cell phone to the metal plate so that the pager/cell phone remains positioned close to or over the microphone hole for best activation results. Please be careful to not cover the microphone hole with the Velcro.
6. Make sure the pager/cell phone power is "on" and unit has a fresh battery. In the case of a cell phone, you may want to leave the cell phone charger plugged into the phone to ensure a charged battery.
7. Close and lock the box's cover unless using a cell phone connected to its charger.
8. Plug the 110V power cord from your electric aircraft preheater into one of the Beeper Box receptacles.
9. Lastly, Plug the Beeper Box's power cord into a 110V grounded outlet **with surge protection**. The red LED light on the end of the box should light, indicating power to the Beeper Box. We STRONGLY suggest the use of a power strip with surge protection. Hangars are especially susceptible to lightning strikes and our warranty does not cover surges. Surge protectors are inexpensive and available at most hardware stores – please use one!

WARNING! THE BEEPER BOX IS FOR USE WITH ELECTRIC AIRCRAFT ENGINE PREHEATERS ONLY! DO NOT USE THE BEEPER BOX WITH GASOLINE OR PROPANE-POWERED PRE HEATERS! DO NOT USE THE BEEPER BOX FOR CERAMIC OR OTHER AIRCRAFT CABIN HEATERS! DO NOT USE THE BEEPER BOX FOR NON-PREHEATER APPLICATIONS.



R.S. Beeper Box™

TESTING SUGGESTIONS

WARNING! This product is NOT designed or intended for use in mission-critical settings or for any life-saving or medical-related flights! While the product is quite reliable, in certain conditions the box may not activate – DO NOT trust it with your life or others' lives...it is a convenience product only!

WARNING! This product is designed for use in dry, indoor settings only! Do not place the Beeper Box where it can get wet. Do not use the Beeper Box outdoors.

1. The R.S. Beeper Box can be tested by setting the timer selection switch to the "T" setting. In the "T" setting, the activation light and external (corded) power receptacle will be powered for approximately 60 seconds after activation. The Beeper Box will then reset and be ready for another activation.
2. Position the pager/cell phone with its speaker hole(s) closest to the microphone hole in the metal protection plate. Placing the pager/cell phone directly over the hole may work best, but be sure to not block the hole with Velcro!
3. Make sure the device has a fully charged battery. In the case of a cell phone, you may want to leave the cell phone charger plugged into the phone to ensure a charged battery...a 110V receptacle is provided on the face plate of the box to facilitate charging.
4. If using a pager, it may be possible to test the Beeper Box by simply turning on the pager's power. Most pagers will sound a short sample of their audio setting when first turned on. However, if turning on the pager does not activate the Beeper Box, close the cover and activate the pager/cell phone via the standard telephone call method. (In most cases, telephone activation will cause it to sound a longer or more repetitive tone, which is preferred for proper Beeper Box activation.)
5. If activation of your pager/cell phone does not activate the Beeper Box, select an alternative ringtone. Short, sharp tones such as the traditional "beep, beep, beep" style work best for Beeper Box activation. Songs or musical ring tones typically DO NOT activate the box. **There MUST be a short period of silence between three or four distinct rings or tones.**
6. If activation of your pager/cell phone still does not activate the Beeper Box use a small flat bladed screwdriver to rotate the sensitivity adjustment dial until the desired sensitivity is achieved. Rotating the sensitivity adjustment dial clockwise increases sensitivity of the unit. Rotating the dial counterclockwise decreases sensitivity. Be aware that maximizing the unit's sensitivity may result in accidental or unwanted activation of the box due to external noises. For best results, increase the sensitivity only as much as is necessary to produce reliable activation with the pager.

R.S. Beeper Box™

FREQUENTLY ASKED QUESTIONS



WARNING! This product is designed for use in dry, indoor settings only!

Do not place the Beeper Box where it can get wet. Do not use the Beeper Box outdoors.

1. Will loud sounds in or around my hangar cause accidental activation?

In rare cases accidental activation can be caused by very loud, sharp sounds close to the Beeper Box. (The noise made when locking the lid of the box may activate the unit if you have it plugged in. Close the lid before plugging it into the wall receptacle or extension cord.) However, special programming and circuitry in the Beeper Box will minimize accidental activations. In addition, you can adjust the unit's sensitivity with as explained in the "Testing Suggestions" section of this manual. Be sure to position the Beeper Box in a dry, secure position.

2. Can I turn the Beeper Box off using my pager/cell phone if I decide not to fly?

Yes, in most cases! In all "hour" settings (1 hour to 12 hour are available) the Beeper Box will "listen" for another page/call beginning 60 seconds after the initial activation. If, for example, you would like to turn off the Beeper Box prior to its set timeout of 1 to 12 hours, you can simply call your pager/cell phone again (no sooner than 60 seconds from the last call) and the Beeper Box will shut off with the pager's or cell phone's sound.

3. Won't my pager's reminder beep activate the Beeper Box?

No. Special circuitry in the Beeper Box is designed to ignore the single reminder beeps of most pagers.

4. Can I use my cellular phone instead of a pager?

Yes, but you must first test the various ringer options and signal strength with the phone in the Beeper Box and the Beeper Box cover closed. The Beeper Box works best with short, sharp, repetitive tones similar to the traditional "beep, beep, beep" or "ring, ring, ring" tone traditional to standard pagers. Also, be sure that your mobile phone's battery is capable of powering the phone for as long as you plan to leave it in the Beeper Box unless you choose to plug the charger into the provided 110V outlet and leave the phone plugged into its charger continuously. Also be sure that the signal to your phone when in the hangar is strong enough for it to ring the phone.

5. I've installed my pager/cell phone, but the unit won't activate when I call it.

It's likely that one of three things is happening. First, check to make sure that your pager/cell phone is actually "beeping" or ringing reliably within the hangar or building where you are using the RS Beeper Box. In some rare instances, the interference or shielding caused by a hangar/building can prevent a pager/cell phone from receiving its signal. If this is the case, please contact your pager/cell phone company representative to discuss options for trying a different pager/phone, or test the box with a pager/phone from another service provider.

Second, the cause may be the style of ringtone you have chosen for the phone or pager. The box is "listening" for three to four short noises with distinct pauses between them. If the tone you are using simply gets lower or quieter between rings, the box will likely not activate reliably. Most phones or pagers offer some standard tone that will work, but with all of the fancy new ringtones you may have to experiment at home for some time. Most "songs" or "tunes" will NOT activate the box. In the rare case that you cannot find a ringtone that works, please contact us and we may be able to assist you in finding a suitable ringtone.

Lastly, the problem may be with the sensitivity setting on the box. All boxes are thoroughly tested prior to leaving our facility. However, some newer phones and pagers simply do not produce a very loud sound. If this is the case, adjust the sensitivity until the unit activates reliably when your phone or pager is activated with the cover closed. This may take a few attempts, so please be patient.

We strongly recommend that prior to purchasing or committing to a specific pager/phone or service, you first test the pager/phone you intend to use, using an actual RS Beeper Box . Hint: take your RS Beeper Box with you to the service provider's location and test the box there!

WARRANTY/ TECHNICAL ASSISTANCE

Judith Mountain Technologies, LLC (hereinafter JMT) warrants this product to be free from defects in the workmanship of materials, under normal use and service, for a period of one (1) year from the date of purchase by the consumer. If, at any time during the warranty period, the product is defective or malfunctions, JMT shall repair or replace it (at JMT's option) within a reasonable period of time.

If the product appears defective, contact JMT at (406) 366-5906 or info@judithmountain.com to obtain technical assistance and/or return authorization and shipping information.

This warranty does not cover shipping costs. This warranty shall not apply if it is shown by JMT that the defect or malfunction was caused by damage which occurred while the product was being used for purposes other than as a device for controlling power to an electric aircraft preheater in a dry, indoor setting, or if the product was subject to a power surge.

JMT's sole responsibility shall be to repair or replace the product with the terms stated above.

JMT shall not be liable for any loss or damage of any kind, including any incidental or consequential damages resulting, directly or indirectly, from any breach of warranty, express or implied, or any other failure of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

This warranty is the only express warranty JMT makes on this product. The duration of any implied warranties, including the warranties of merchantability and fitness for a particular purpose, is hereby limited to the one year duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which may vary from state to state. If you have questions, please visit our web site at www.judithmountain.com, call (406) 366-5906 or email info@judithmountain.com.

WARNING! This product is NOT designed or intended for use in mission-critical settings or for any life-saving or medical-related flights! While the product is quite reliable, in certain conditions the box may not activate – DO NOT trust it with your life or others' lives...it is a convenience product only!