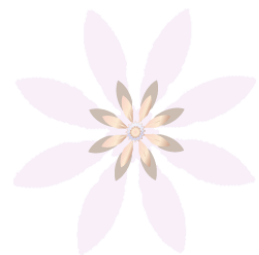


# **Quick Start User Manual**

**How to use  
Baby FM Dopplers  
to hear your  
baby's fetal heart beat!**



# **Some Important Warnings**

- **Please do not contact us regarding medical questions. Call your doctor.**
- The device is for use only on intact skin.  
Do not use on any area that has a rash or open wound.
- When the probe is in use:
  - a) Do not plug any part of this device into a telephone or modem system.
  - b) Do not plug into any electrical outlet.
- Do not submerge the probe or unit in any liquid. This will damage the device and a replacement fee will be assessed to your account.



### •Turning Unit ON/OFF

Turn the unit on or off by pressing the small, square, gray On/Off button located on the front of the unit.

The Doppler automatically shuts itself off after 3 minutes if it is not being used. This complete power shutdown preserves the life of the batteries and ensures the unit will be ready for operation in case it was accidentally left on.

### •Diagnostic Monitoring

Once the unit is on, it performs a series of diagnostic checks. Models **DRS** and **DS** display the frequency of the probe that is being used. This display will not reappear unless the probe is changed or the power is cycled, in which case the display will again temporarily confirm the frequency of probe that is connected.

## •**Battery Monitoring**

All Baby FM Doppler units perform continuous battery monitoring and give a visual indication of the battery level.

•**Models DRS and DS** use a battery shaped icon that indicates the remaining power level. This is found on the small gray screen located on the front of the unit. When the battery outline flashes, the user should change the batteries.

•**Models S and RS** have a small, green light on the front of the Doppler. When this is lit solid, it indicates adequate battery power. If this light flashes slowly, it is time to replace the batteries. If it flashes rapidly, the unit has only 1-2 exams left.

## **Obtaining Doppler Signals**

•It is essential that an adequate supply of gel is used to transmit the signal from the probe to the surface of the skin. Re-apply more gel if it starts to dry out or spreads so thinly that an air gap occurs between the probe and the skin. It is not necessary to cover the entire surface of the probe, only the probe face. Applying too much gel makes the unit difficult to clean and does not aid in the performance of the probe.

## •**Volume Slider**

The audio level can be adjusted using the gray volume slider located on the left side of the unit. Moving the slider up will increase the volume, while moving it down will decrease it.

## **Signal Quality Indicator: (Models DRS and DS only)**

The signal level is shown on the indicator bars. This is located along the very bottom of the small gray screen. This indicator provides a visual aid in obtaining a strong audio signal by showing the pulsatile nature of the signal. A large difference between the highest and lowest signal bars confirm that the quality of the signal is good and thus ensures the heart rate calculation is operating at peak performance.

The heart rate can be verified manually by counting the audible beats for 20 seconds and multiplying by 3.

An inadequate signal can produce erroneous rates for calculating the Beats Per Minute (BPM).

### **Tips on Use**

Fetal heart sounds are quite different from peripheral vascular blood flow sounds. Fetal sounds are typically much lower in frequency and much higher in rate.

For early term, fetal detection, start the probe at the pubic bone and slowly move along the midline - rocking the probe slowly from side to side until a heart beat is heard.

For mid to late term, fetal detection the best chance of finding the heart sounds are to start on the fundus and move toward the belly button and from one side of the abdomen to the other, slowly rocking the probe until the heart beat is heard.

The fetal heart reminds many people of a galloping horse and can vary in tone from a distant swishing sound to a hard clapping sound depending on the position of the baby and probe.

- Many times, when attempting to detect the fetal heart, the maternal vascular sounds are heard instead of (or in some cases, in addition to) the fetal sounds. These maternal sounds can come from one of the major arteries, the placenta or the umbilical cord. The maternal vascular sounds are typically higher in frequency at a lower rate. The heart rate calculation will display either the maternal rate or the fetal rate, whichever portion of the signal is stronger.

## • **Maintenance and Cleaning**

- After every examination: excess gel should be wiped off prior to docking the probe. Probes and the main unit should be cleaned with a lightly dampened cloth. In particular, pay close attention to clean the seams along the plastic lines at the probe face but do not allow water to enter through the connectors of speaker grill.

## • **How to Record and Play (Model DRS only)**

### • **Record**

- To record a new audio file on the Model DRS, obtain the desired Doppler signal and press and hold the Play/Record button until the green Record light, comes on. Once on, release the red “REC” button and the signal will be stored for 32 seconds or until the button is pressed again. Either of these events will stop the recording. Recording a new audio file automatically overwrites any previous recording.

### • **How to Record Your Baby’s Heartbeat onto Your Computer (Model DRS only)**

- Record your baby’s heartbeat with your Doppler. (See instructions above)

2. Open “Sound Recorder” in windows. Usually you can find this by clicking on “Start” → “All Programs” → “Accessories” → “Entertainment” → “Sound Recorder”
3. Plug the 6 foot black audio cable into the computer’s microphone jack or “audio in” jack. Never have the probe in use during this operation.
4. Plug the other end of the audio cable into the black circular audio jack on the Doppler. It is the second jack from the top.
5. Click “Record” on the Sound Recorder software in Windows, then quickly push and release the red record/play button on the Doppler. Allow your recording to play, when it is finished click “stop” on the Sound Recorder software.
6. When the audio playback is finished, click on the STOP icon in the Sound Recorder software. The file can be played back on the PC by clicking the PLAY icon in the Sound Recorder or the file can be stored by selecting FILE, SAVE AS to locate and name the file.
7. You should now be able to play back your recording from you computer by pushing “Play” on Sound Recorder.

Refer to your PC User’s Manual for problems associated with the sound card or Sound Recorder Application.

## **Play**

To listen to a pre-recorded audio file on the Baby FM Doppler, press and release the red “REC” (Play/Record) button on the side of the unit. The Play icon (the green light next to the purple arrow) is on during playback.

- The unit will continue to play the recorded audio until either the end of the stored data, or until the Play/Record button is pressed again. This will stop the playback audio and the unit switches back to real time audio when the indicators turn off. Volume control remains functional during playback.

## **How to Record and Play (Model RS only)**

### **Record**

To record a new audio file on the Model RS, obtain the desired Doppler signal and **press and hold** the Play/Record button until the Record light, comes on. Once on, release the red “REC” button and the signal will be stored for 32 seconds or until the button is pressed again. Either of these events will stop the recording. Recording a new audio file automatically overwrites any previous recording.

### **How to Record Your Baby’s Heartbeat onto Your Computer**

1. Record your baby’s heartbeat with your Doppler. (See instructions above)
2. Open “Sound Recorder” in windows. Usually you can find this by clicking on “Start” → “All Programs” → “Accessories” → “Entertainment” → “Sound Recorder”
3. Plug the microphone cable into the microphone jack in your computer.
4. Make sure the small button on the face of the microphone is depressed. (This turns the microphone on.) Then attach the microphone by the Velcro dot to the face of the Doppler near the speaker.
5. Be certain that the room you are in has very little background noise.

6. Click “Record” on the Sound Recorder software in Windows, then quickly push and release the red record/play button on the Doppler. Allow your recording to play, when it is finished click “stop” on the Sound Recorder software.
7. When the audio playback is finished, click on the STOP icon in the Sound Recorder software. The file can be played back on the PC by clicking the PLAY icon in the Sound Recorder or the file can be stored by selecting FILE, SAVE AS to locate and name the file.

You should now be able to play back your recording from your computer by pushing “Play” on Sound Recorder.

Refer to your PC User’s Manual for problems associated with the sound card or Sound Recorder Application.

## **Play**

To listen to a pre-recorded audio file on the Baby FM Doppler, press and release the red “REC” (Play/Record) button on the side of the unit.

The unit will continue to play the recorded audio until either the end of the stored data, or until the Play/Record button is pressed again. This will stop the playback audio and the unit switches back to real time audio when the indicators turn off. Volume control remains functional during playback.

## **HOW TO EMAIL OR BURN A CD with your audio file**

Once you have saved your sound file (see instructions above) you can attach it to an email as you would any other attachment.

To burn a CD, (in most CD burning programs), simply drag and drop the file into the appropriate field, then click burn!

Refer to your User Manual for variations in these procedures.





babyFM.com



The Internet's #1 Fetal Doppler Source

**BabyFM LLC.**

2200 Century Parkway, Suite 9

Atlanta, GA 30345

1.800.939.3926 tel

1.404.795.9126 fax

[contact@babyfm.com](mailto:contact@babyfm.com)

[www.babyfm.com](http://www.babyfm.com)