

Procedure Title: TeleHealth Thinklabs Stethoscope

Procedure #2015.0102

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TeleHealth Thinklabs Stethoscope

SCOPE

System Wide: This procedure applies to all regional telepresenters working with SIU HealthCare clinicians and SIU HealthCare's partner TeleHealth organizations providing care via TeleHealth. This policy addresses clinical operations and patient care activities for both the Southern Illinois University School of Medicine and SIU Healthcare which will be collectively referred to as SIU.

PURPOSE

To outline the process for TeleHealth patient sites to prepare the environment for a TeleHealth visit.

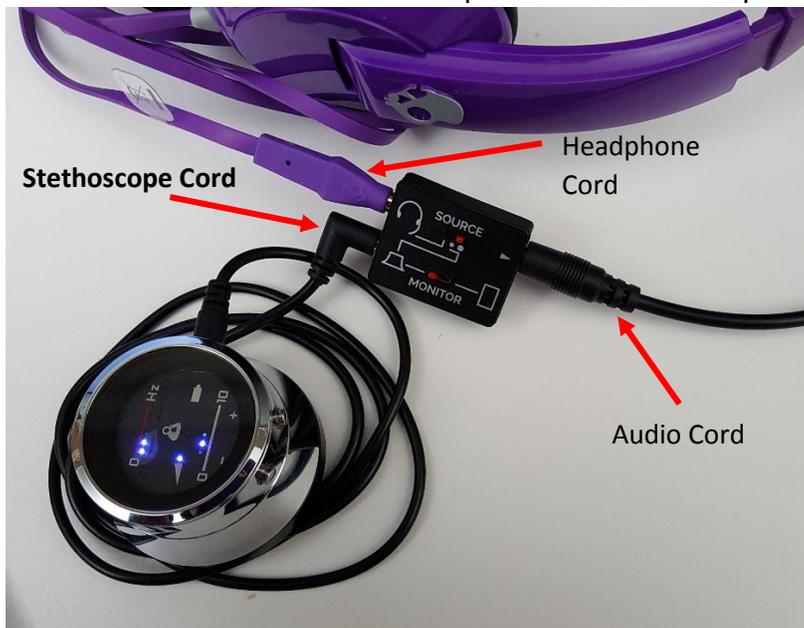
PROCEDURE BODY

1. Turning the Stethoscope On and Off

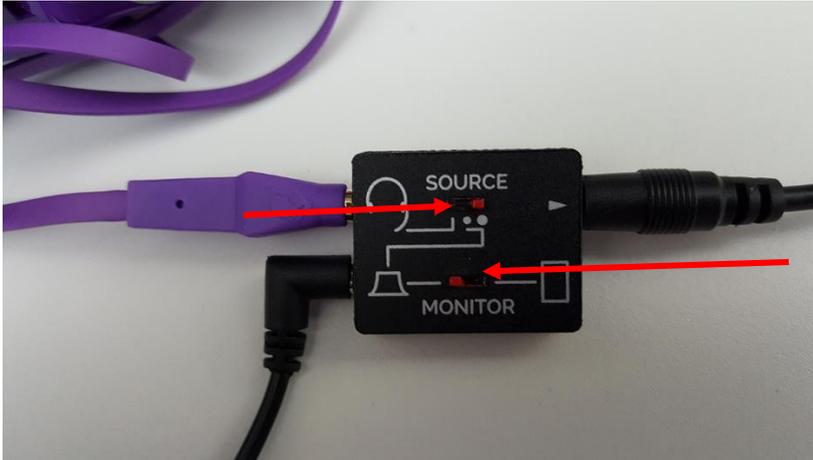
- a. Hold any key until power turns on.
- b. Push and hold  and  simultaneously for two seconds, then release.
*Stethoscope will automatically shut off after 2 minutes.

2. Using the Stethoscope

- a. Remove power cord from stethoscope.
- b. Insert black cord from the stethoscope hub into stethoscope.



- c. Stethoscope hub needs red tabs to be positioned correctly to produce sound. The top tab should be pushed all the way to the right and the bottom tab all the way to the left.



- d. Put headphones on to ensure heart and lung sounds can be heard.
- e. Watch clinician for exam prompting.
- f. Lightly place stethoscope on patient's skin. Clothes will cause inadequate sound.

3. Exam Completion

- a. Make sure stethoscope is turned off.
- b. Unplug stethoscope from hub.
- c. Clean stethoscope. *See section 4a.
- d. Plug stethoscope in to power cord and place stethoscope in the case.
- e. Make sure cord is angled toward the bottom of the case.



- f. Zip case and place in cart basket.

4. Cleaning Stethoscope

- a. Use alcohol or other cleaning agents, but do not allow liquids inside stethoscope.

5. Tips and Considerations

- a. If provider is having a hard time hearing, check volume and Hz setting.
- b. Do not set stethoscope volume louder than 8 or one click less than total volume.

ADDITIONAL RESOURCES AND QUESTIONS

*TeleHealth Helpline
(217)545-8600*

*Executive Director of TeleHealth and Clinical Outreach, SIU HealthCare
(217)545-3830*

*TeleHealth Clinical Coordinator, SIU HealthCare
(217)545-3153*



Quick Reference Guide

Congratulations. You now own a state of the art auscultation instrument made with advanced technology and fine materials. Thinklabs One is designed for the most discerning users who seek the highest quality.

This Quick Reference is your initial guide to using your Thinklabs One. The best designed products are easy to use, with more advanced features hidden below the surface, available to those who require them. Use this Guide to familiarize yourself with the basic functions and then go to our website to explore One in more depth, according to your needs.

Go to <http://thinklabsone.com/manual> for detailed User's Manual
<http://thinklabsone.com/support> for Customer Support

i Tips for Optimal Use

Instructions - There's a lot more to learn - see <http://thinklabsone.com/manual>

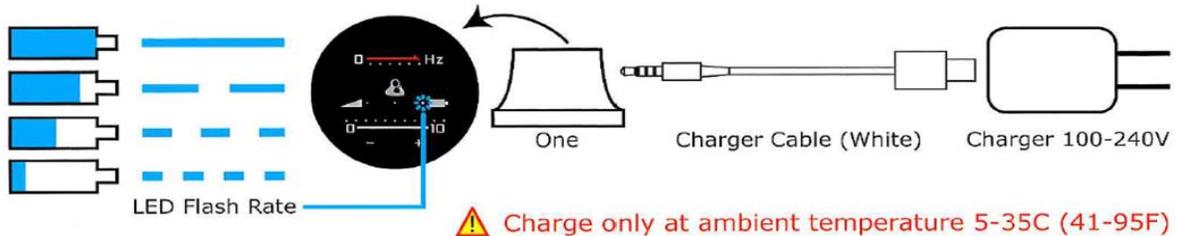
Sound Levels - Do not set your stethoscope volume louder than necessary. Adjust volume so that heart and lung sounds are clear and comfortable to hear. Protect your hearing!

Diaphragm Pressure and Skin Contact - Making skin contact will provide you with the best sound quality. If you do listen through clothing, avoid listening through thick garments.

Headphone Fit - Make sure your headphones are as sealed as possible against outside noise to enhance your listening. Use Thinklabs headphones or other high quality headphones.

Cleaning - Use alcohol or other cleaning agents, but do not allow liquids inside **One**.

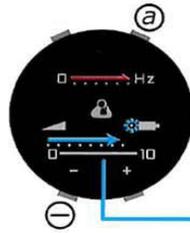
I. Charger Connection



Controls & Display



1. Power On / Off



Power On - Hold ANY Key until power turns on.

Power Off - Push & Hold (a) and ⊖ simultaneously for 2 seconds, then release.

Auto Shutoff - Your **One** will shut off automatically after preset auto shutoff time.

Battery Level flashes at Power Off

2. Volume Control & Display



Click ⊖ or ⊕ to adjust Volume Level.
Hold keys to step quickly up or down.

⚠ To reduce risk of tinnitus or hearing loss, listen at moderate volume levels.

3. Filter Selection & Display

- ⓘ Filters selectively amplify low, medium or high-pitched sounds, to select for low-pitched heart sounds, mid-range murmurs or high-pitched lung sounds. **One** has multiple filters for greater control over sound than stethoscopes limited to the choice between Bell or Diaphragm.
- Pitch (i.e. frequency) is measured in Hertz (Hz) and displayed graphically on a low-to-high Hz Scale, which shows relative frequency range - filters that amplify low-pitched sounds show LEDs towards the left, filters for higher pitched sounds show LEDs towards the right.
- See <http://thinklabsone.com/filters> for further explanations and details.

Select Filter - a. Hold (f) Key for ~2 seconds.
b. Release Key when LEDs change.
c. Repeat to cycle through filters.

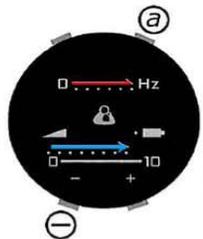


Set two "Favorite Filters" - select 1st filter, select 2nd filter, then alternate easily between the two selections:

1. Select 1st Favorite - Steps a through c above.
2. Click (do not hold) (f) Key.
3. Select 2nd Favorite - Steps a through c again.
4. Click (do not hold) (f) Key to alternate between Favorites.
5. To use any other filter, simply do Steps a through c anytime and the Favorite you're currently using will be changed.

Hz Scale shows pitch range of filter selection

4. Battery Level Check



To Check Battery Level:

1. Push any key to Power On.
2. Push & Hold (a) and ⊖ simultaneously for 2 seconds.
3. Battery Level flashes across 0-10 Scale when **One** powers off.

ⓘ Typical battery life in use ~ 240 minutes active listening.
Standby/Power Off time > 4 weeks.

5. Setting Auto Shutoff Time

Start with **One** in the Power Off condition.

1. Turn Power On.
2. Click (a) Key once for each minute of the desired auto shutoff time.
For example, click (a) Key 3 times for a 3 minute shutoff time.
3. Push and HOLD (a) Key until One shuts off (~10 seconds).

- ⓘ Factory Default = 2 minute auto shutoff time.
- Allowable range is one to ten minutes (1 - 10 clicks).
- To DISABLE Auto Shutoff (unit stays on), do 12 Clicks in step 2 above.