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## INSTRUCTIONS

All machines running/operating at the same time – or where multiple/all sources are active during measurements.

### 1. PRECAUTIONS

- Please read through all of the instructions below before beginning the measurements.
  - The accuracy of the analysis is in part dependent upon positioning the recorder at the positions prescribed in the measurement plan. Use care when positioning and orienting the recorder.
  - **\*\*PLEASE NOTE\*\*** Your body can create an acoustic “shadow” resulting in inaccurate sound measurements. When taking the measurements, do your best to have your body positioned so as to minimize this shadowing effect from all nearby sources.
2. Carefully thread the monopod to the bottom of the Remote Sound Testing Kit (RSTK). Do not force the threaded stud into the threaded hole.
  3. Go to the first measurement location specified in the provided measurement plan.
  4. On the left side of the machine, Turn on the Remote Sound Testing Kit (RSTK) by pressing and holding the **PWR** button for 3-5 seconds (the display will light up orange).
  5. Press the **SPL** button once.
  6. Using the supplied monopod to help support and position the kit at the correct height (3 feet above the ground), hold the RSTK so that the perforated metal face is pointing towards the ceiling.
  7. Press the **REC** button once (the edges of the button will flash red). The RSTK is now in standby mode. Write down the name of the current record file on the data log form. This information will be shown on the amber LCD display (e.g. DR000003.wav).
  8. On the data log form, note the date, time and measurement location description.
  9. Capture one digital image of this location, pointing your camera toward the center of the room.
  10. Press the **REC** button once more (the edges of the button will turn to steady red).  
**\*\*\*The RSTK is now recording.\*\*\***
  11. Allow the RSTK to record for **90 seconds**; then press the **STOP** button. Note: If something affects the quality of the recording (e.g. ringing phone, radio call, a sneeze, talking), please add a note in the comments of the data collection sheet. (e.g. phone ringing - disregard). If this happens, press **STOP** and repeat steps 6-10.
  12. On data log form, record “SPL” number that you estimate to be the average or most frequently appearing number. (Does not have to be exact.)
  13. Proceed to each remaining measurement location, repeating steps 6-12.

## TO SHUT DOWN THE RSTK

1. Press and hold the **SPL** button until the screen reads **“OFF”**
2. Press and hold the **PWR** button until the screen turns off.
3. Carefully unscrew the monopod and return both to the protective case.

If you have one machine (or a handful of machines) that are particularly loud or a few that you would like to focus on, we may ask that you gather data at multiple points around this machine and make a specific note about these measurements on the data log form.