

Hearing Loop Site Analysis Form



Completed By: _____

Date: _____

Name: _____ Company: _____

Phone: _____ Email: _____

♦♦Please complete all of the following sections to avoid delays in processing.♦♦

STEP 1- Please select **Preliminary Estimate** or **Official Design**.

Preliminary Estimate. Provides the basic information for a project bid. It is intended to help determine the likely cost of a hearing loop project. Included are a preliminary list of equipment and summary of the estimated design. Note: Equipment and design parameters specified in a Preliminary Estimate may change in the Official Design. There is no charge for a Preliminary Estimate.

Official Design. Includes a complete equipment list plus a design description, statement of expected performance and installation drawings which include a detailed dimensional drawing for each loop, electrical connection diagrams and a field intensity diagram. A design fee applies. There is no fee for a perimeter loop design, which excludes installation drawings.

Metal loss and noise testing is strongly recommended prior to requesting an Official Design.

Check here if this is an update to a prior estimate or design. HL# if available: _____

STEP 2- Project Information:

Project/Site Name: _____

Room/Area Name: _____ Approx. Date of Install: _____

(Please provide a separate site analysis form for each individual room or area requiring a separate loop system.)

STEP 3- Provide Application Details:

- **Please provide a detailed description of the application/area to be looped.** Include dimensions and seating capacity:

- **Please indicate listening height:**

Should the hearing loop system be optimized for seated height, standing height or both (mixed use)? If no selection is made, Listen will design the system for mixed use.

Seated Height (Approx 4') Standing Height (Approx 5'10") Mixed Use Height (Approx 4'11")

- **Provide Dimensional Drawings:**

Listen requires a scaled plan drawing of the room(s) showing precisely the area to be covered. Electronic drawings are acceptable in DWG format. If low spill designs are required, the drawings should show the proximity of the rooms. A sectional drawing may also be required if vertical spill is an issue or the loop is intended to be installed at ceiling level.

STEP 4- Select Specialized Equipment Features:

Please indicate if the following features are required or needed. Not making a selection will imply that these features are not needed.

Network Control Dante Input

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STEP 5- Select Cable Installation Method:

Please indicate the location you intend to install the hearing loop cable. Cable may be installed on the floor, below the carpet, laminate or tile via flat copper cable. Cable may also be installed within surface cuts, buried in concrete or placed underneath the floor structure. If you intend to bury the cable or place it under the floor structure, please indicate the depth from the surface. Cable may be placed overhead, on the ceiling surface or above the ceiling structure. For overhead installations, please indicate the intended cable height. When selecting cable installation preferences please consider that the design may require the loop wires to cross the room/area multiple times. Please note that the preferred option may not always be possible due to metal loss or other limiting factors.

- On floor, under carpet, laminate, etc. On floor within surface cuts in concrete, wood, etc.
- Buried in concrete. Depth below finished floor surface?: _____
- Below the floor structure. Depth below finished floor surface?: _____
- Overhead, on or above ceiling surface, etc. Height above floor?: _____

Please provide additional details or other options:

STEP 6- Provide Spill Control Requirements:

A loop system may be audible up to 3x the loop width from the edge of the system. If this is a problem due to other loop systems nearby (existing or planned) or if confidentiality is needed, spill control will be required. Please indicate if spill control is required and in which direction. Not making a selection will imply that spill control is not required.

- Spill control required No Spill control required

If spill control is required, please provide requirements below:

STEP 7- Provide Interference Control Requirements:

Inductive fields produced by a hearing loop can interfere with some electronic devices such as dynamic microphones and single coil electric guitars. Please note if you have these or similar devices near the area to be looped so this can be accounted for in the loop system design. These devices cannot be within the area to be looped. If this is the case please contact Listen to discuss options. Not making a selection will imply interference control is not required.

- Electric Guitars (Single Coil) Dynamic Mics (Non-Hum Bucking) No Interference Concerns

If interference control is required, please provide requirements below:

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STEP 8- Accounting for Metal Loss:

Metal structure within or in close proximity to the loop area reduces the inductive field strength of a hearing loop system. It is necessary to know how much metal loss the system needs to overcome to select the appropriate loop driver and create an accurate loop design.

- Identify Metal Structures:

Select any and all of the following that may be present in or near to your loop system:

- | | |
|--|--|
| <input type="checkbox"/> Mesh/Rebar Reinforced Concrete Floor | <input type="checkbox"/> Steel Pan Deck Reinforced Floor |
| <input type="checkbox"/> Drop Ceiling Metal Grid | <input type="checkbox"/> Metal Frame Building |
| <input type="checkbox"/> Computer Floor (metal clad floor tiles) | <input type="checkbox"/> Metal Ceiling Tiles |
| <input type="checkbox"/> Metal Beams near cable location | <input type="checkbox"/> No Metal Concerns |

Please provide additional details:

- Verify Metal Loss Testing:

In addition to the above information, **Listen strongly encourages metal loss testing**. Although it can often be estimated, testing is the only way to accurately determine metal loss and help ensure an accurate design. Link to: [Metal Loss & Background Noise Test Process](#)

Please check here if metal loss testing was completed. Please submit results along with this document.

--OR--

Please check here, and note reason below, if you would like us to proceed with your preliminary estimate or official design without metal loss measurements. Your estimate or design will be based solely on estimations of metal loss from the other information you provided above. This may not accurately represent actual metal loss values resulting in an imprecise design. By checking here I acknowledge this. Listen is not responsible for any associated equipment or design changes and the associated costs.

STEP 9- Other Considerations & Additional Information:

Background Noise: Listen recommends measuring electromagnetic background noise in the area to be looped before deciding on a hearing loop system. Areas with excessive noise may not be suitable for hearing loops if that noise cannot be reduced to acceptable levels. Noise testing is defined in the Metal Loss & Background Noise Test Process. Please note if noise has not been verified to be within acceptable limits below.

Note any additional information that may be relevant:

Allow 1-4 business days for Preliminary Estimates and 5-7 business days for Official Designs after receipt of a complete Site Analysis form and other required documents. To avoid delays in processing please confirm that all sections are complete before submitting request.

Return Completed Site Analysis Forms and required documents to sales@listentech.com.

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