



# EASE FOCUS 3 QUICK START GUIDE



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## INTRODUCTION

- ▶ With the Quick Start Guide you will be able to create your first project easily and fast. It does not contain every single detail and possibility of the software. Please have a look into the EASE Focus 3 User Manual, which is included in the software, if you like to know more details.

# EASE FOCUS 3 QUICK START GUIDE

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# PROGRAM INSTALLATION

# INSTALLATION PROGRAM AND DATABASE DOWNLOAD

- ▶ Following the Downloadlink for the main program:

<http://focus.afmg.eu/index.php/fc-download-de.html>

- ▶ The X-Line Advance database is available on the Electro-Voice homepage, within the “Support” folder (X2-212 v1.9):

<http://www.electrovoice.com/product.php?id=2607>

| SUPPORT                     |      |         |             |                          |
|-----------------------------|------|---------|-------------|--------------------------|
| DOWNLOADS                   |      |         |             |                          |
| Brochure                    |      |         |             |                          |
| Drawing                     |      |         |             |                          |
| EASE/CLF                    |      |         |             |                          |
| Name                        | Type | Size    | Date        |                          |
| <a href="#">X2-212 v1.9</a> | ZIP  | 13.18MB | 19 May 2017 | <a href="#">Download</a> |

# INSTALLATION

## PROGRAM INSTALLATION

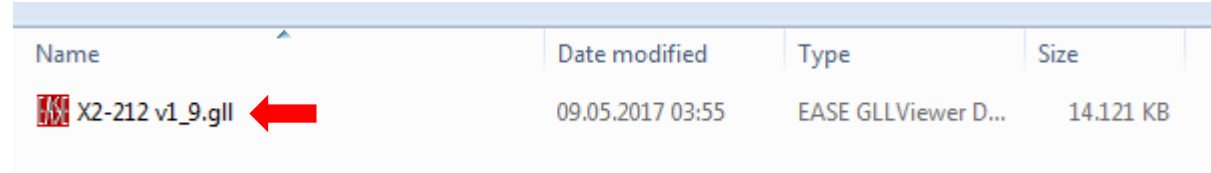
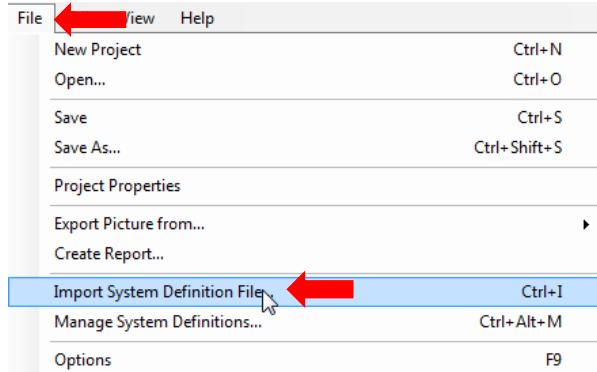
- Installation of the software by clicking „setup.exe“

| Name                    | Date modified    | Type                  | Size      |
|-------------------------|------------------|-----------------------|-----------|
| AFMGDatabaseService     | 12.04.2016 13:53 | File folder           |           |
| AFMGDatabaseService_x64 | 12.04.2016 13:53 | File folder           |           |
| Data                    | 03.08.2017 13:33 | File folder           |           |
| 0x0409.ini              | 06.04.2016 10:42 | Configuration sett... | 22 KB     |
| Data1.cab               | 06.04.2016 10:42 | cab Archive           | 16.850 KB |
| EASE Focus 3.msi        | 06.04.2016 10:42 | Windows Installer ... | 1.428 KB  |
| ISSetup.dll             | 06.04.2016 10:42 | Application extens... | 1.909 KB  |
| Setup.bmp               | 06.04.2016 10:42 | Bitmap image          | 455 KB    |
| setup.exe               | 06.04.2016 10:42 | Application           | 1.163 KB  |
| Setup.ini               | 06.04.2016 10:42 | Configuration sett... | 5 KB      |


# INSTALLATION

## DATABASE INSTALLATION

- ▶ Open EASE Focus 3, click on „File“, followed by „Import System Definition File...“ and open the path to the „X2-212 v1\_9.gll“ file



A screenshot of a file explorer window showing a list of files. A red arrow points to the file 'X2-212 v1\_9.gll', which is selected. The file details are as follows:

| Name  | Date modified    | Type                | Size      |
|---|------------------|---------------------|-----------|
|  X2-212 v1_9.gll | 09.05.2017 03:55 | EASE GLLViewer D... | 14.121 KB |

# GENERAL INFORMATION



# GENERAL INFORMATION

## LOUDSPEAKER DATA

### ► Important!

The Electro-Voice X-Line Advance loudspeaker .gll version 1.90 does not contain any load limits or rigging load information. The calculated loudspeaker hangs have to be double checked with LAPS 3 to avoid exceeding the structural limits!

► You can find the LAPS 3 installer on the Electro-Voice homepage:

<http://www.electrovoice.com/downloads.php#software>

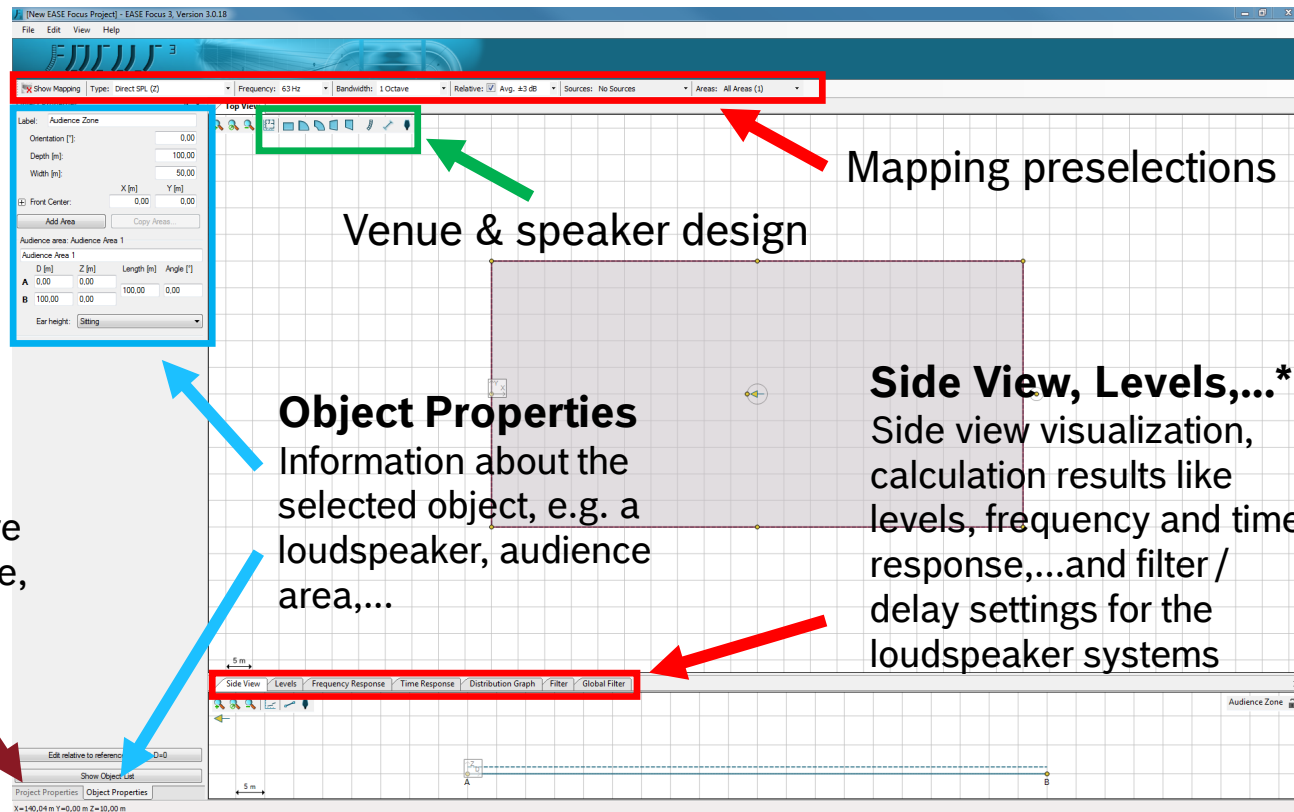
► The setup program will guide you through the installation

# START SCREEN

# START SCREEN

## GENERAL DESCRIPTION

### ► EASE Focus 3 start screen:



**Project Properties**  
general information where  
you can edit project name,  
temperature,...

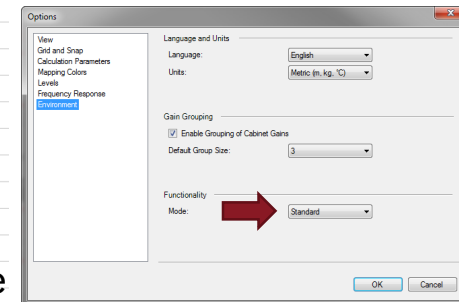
**Object Properties**  
Information about the  
selected object, e.g. a  
loudspeaker, audience  
area,...

Mapping preselections

Venue & speaker design

**Side View, Levels, ...\***  
Side view visualization,  
calculation results like  
levels, frequency and time  
response, ...and filter /  
delay settings for the  
loudspeaker systems

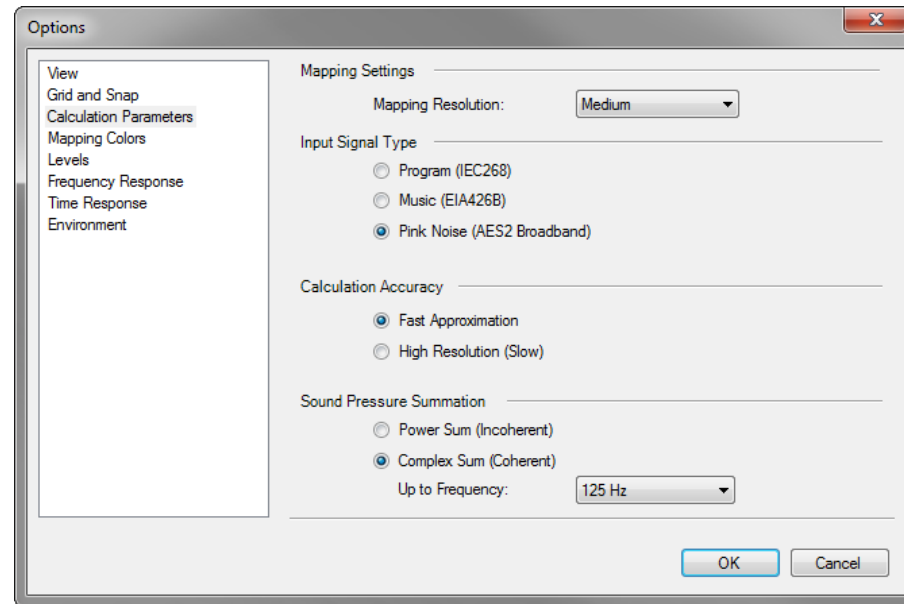
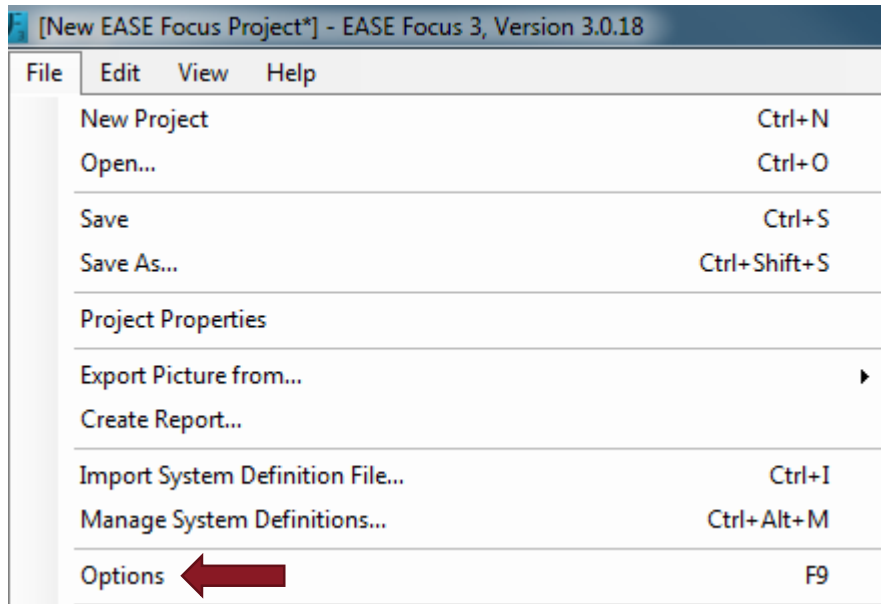
\* If you do not find all the options on your screen please go to „File“ -> „Options“ -> „Environment“ and change the „Mode“ from „Standard“ to „Extended“



# START SCREEN

## GENERAL DESCRIPTION

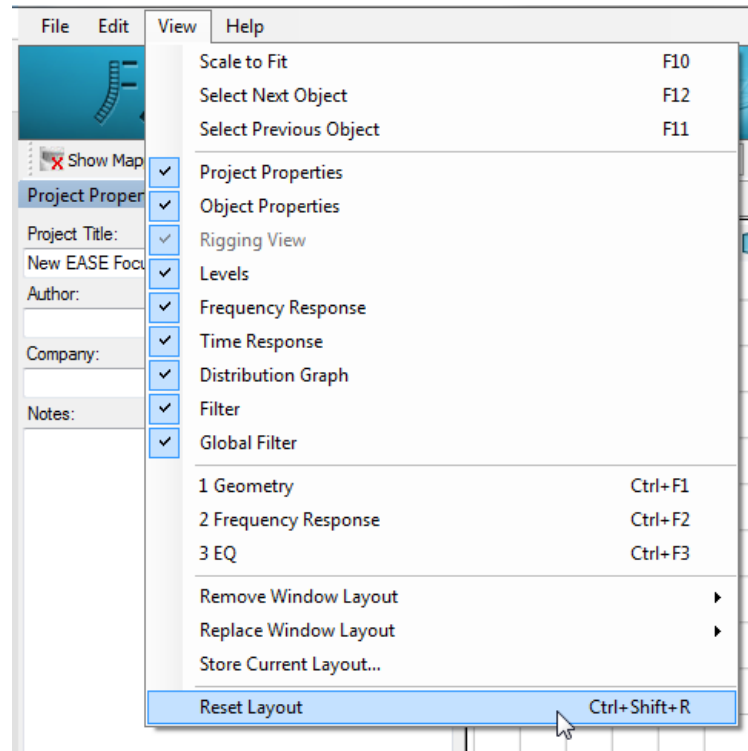
- ▶ Within „*File/Options*“ global calculation and display settings can be adjusted (settings might look different on your computer):



# START SCREEN

## GENERAL DESCRIPTION

- ▶ Within „View“ the global overview layout can be adjusted, or if necessary reset to the default settings via „Reset Layout“:

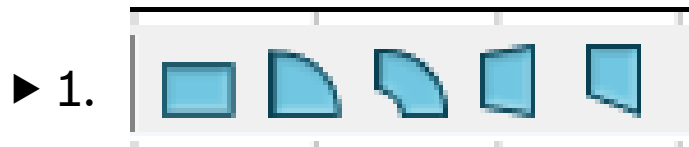


# CREATING A VENUE

# CREATING A VENUE

## SIMPLE VENUES

- ▶ Simple venues can be done easily by selecting predefined geometries from the menu bar and modifying them in the „*Object properties*“. The „*Audience Zone*“ displays the room properties, the „*Audience Area*“ the listeners plane.



2.

The 'Object Properties' dialog box is shown with the following settings:

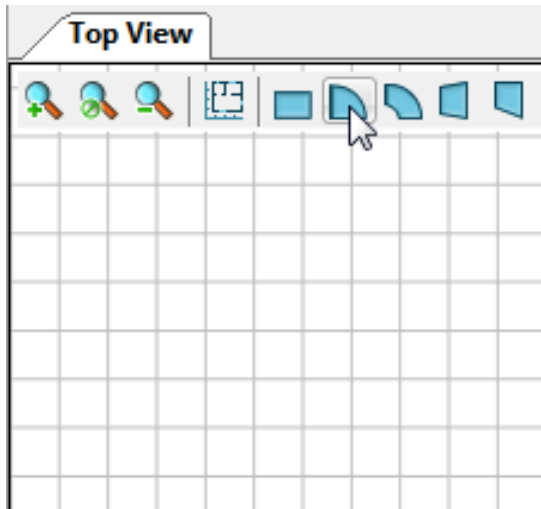
- Label: Audience Zone
- Orientation [°]: 0,00
- Depth [m]: 100,00
- Width [m]: 50,00
- Front Center: X [m] 0,00, Y [m] 0,00
- Buttons: Add Area, Copy Areas...
- Audience area: Audience Area 1
- Audience Area 1 table:

|   | D [m]  | Z [m] | Length [m] | Angle [°] |
|---|--------|-------|------------|-----------|
| A | 0,00   | 0,00  | 100,00     | 0,00      |
| B | 100,00 | 0,00  |            |           |
- Ear height: Sitting

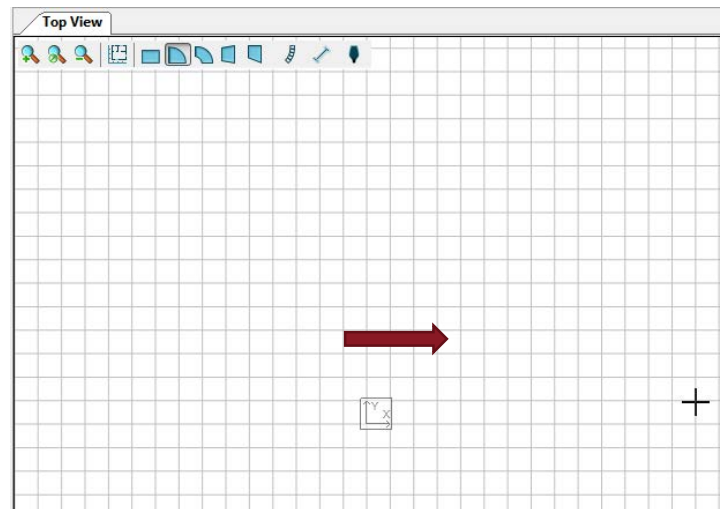
# CREATING A VENUE

## SIMPLE VENUES

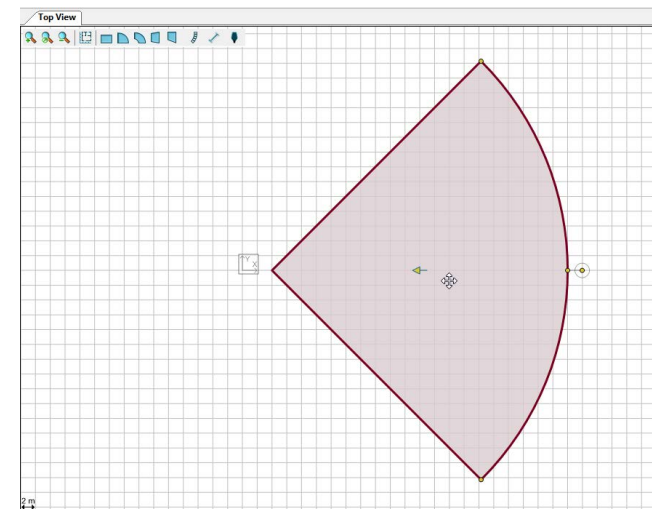
- ▶ Select a shape, place it in the „Top view“ and modify it in the „Object properties“ window after selecting the object. Example if you start with an empty project:



1. Select a predefined shape



2. Select the target position with the cross

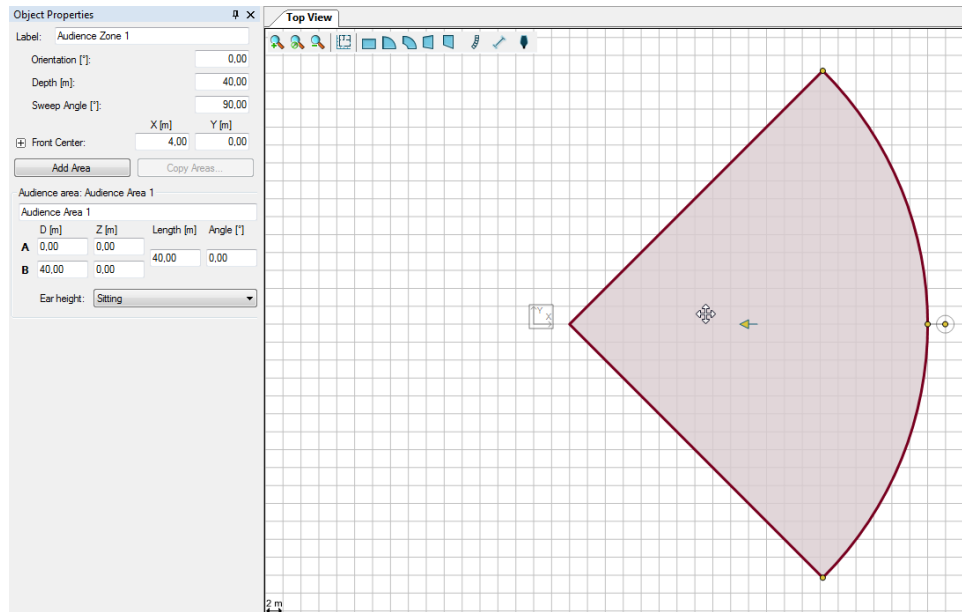
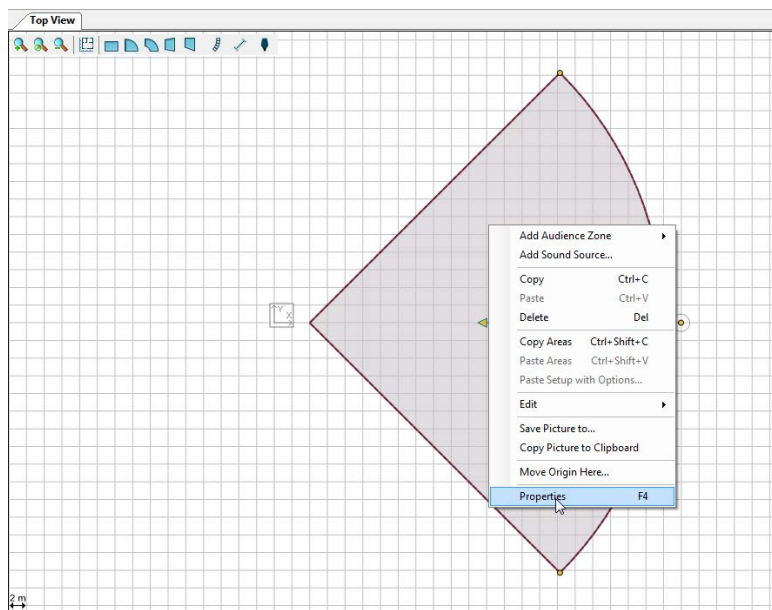


3. Place the shape by a left click on the mouse



# CREATING A VENUE

## SIMPLE VENUES



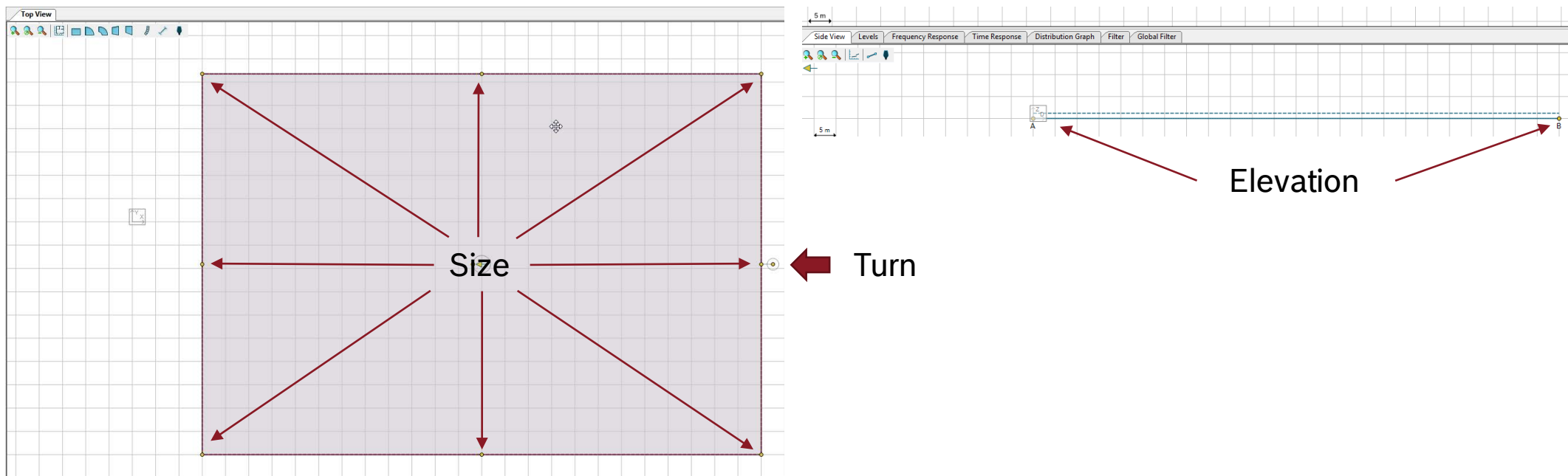
4. Make a right click at the selected shape (shows up in red) and select „Properties“

5. Modify the shape in the „Object Properties“

# CREATING A VENUE

## SIMPLE VENUES

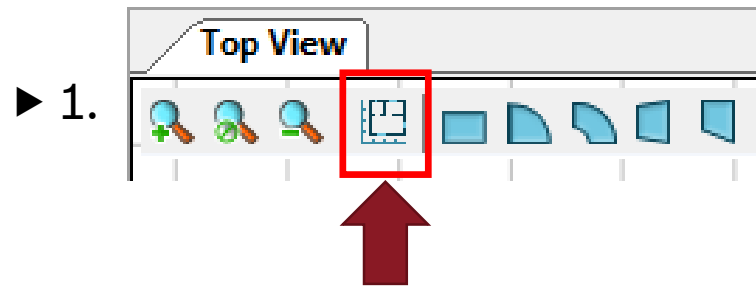
- ▶ Further you can move the whole area(s) by clicking in the area and modify the size and/or turn by picking the dots in the center or the corner at each side in the top view. In the side view you can adjust the elevation with the same method.



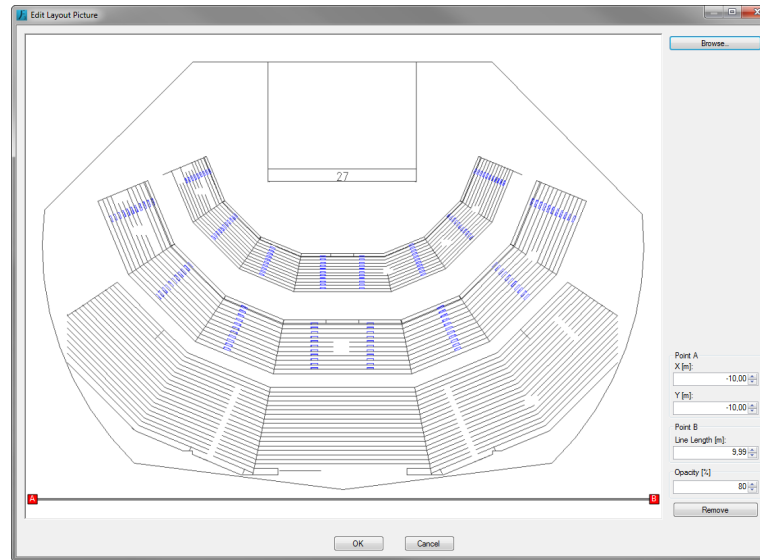
# CREATING A VENUE

## ADVANCED VENUES

- ▶ The second method is to use a top view drawing (\*.png, \*.jpg, \*.gif, \*.bmp) of the venue and import it to EASE Focus.



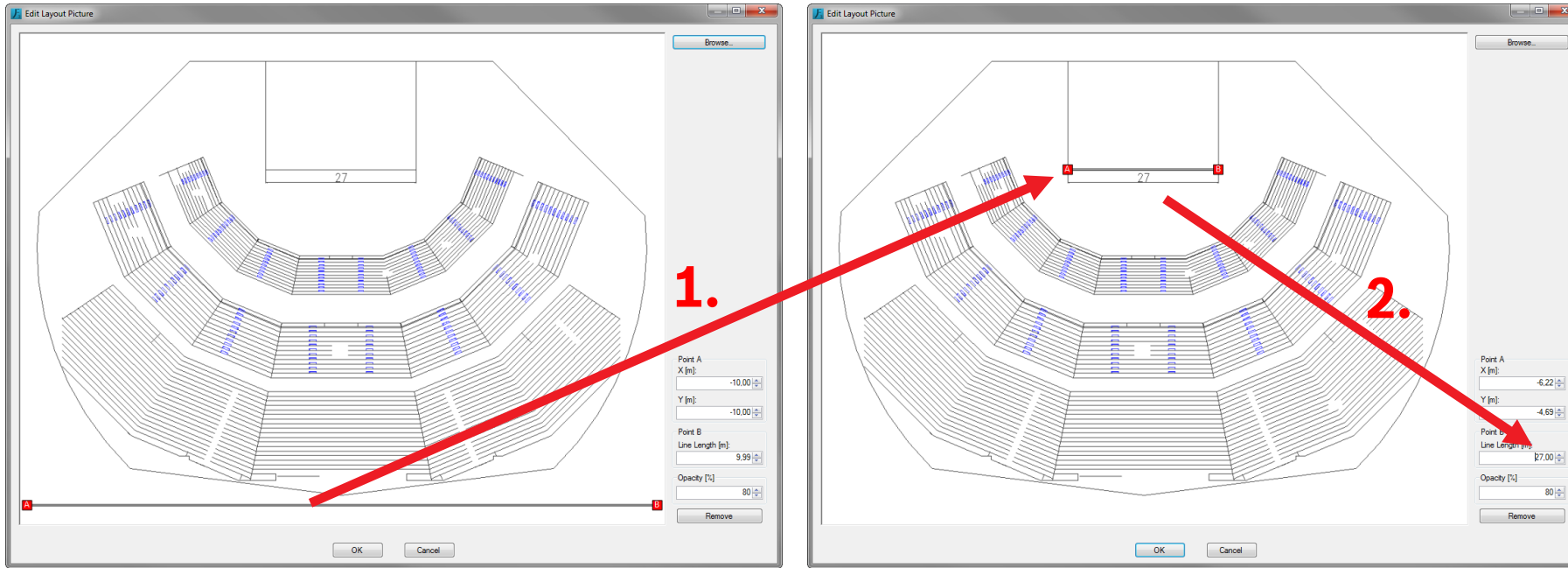
- ▶ 2. Import a drawing



# CREATING A VENUE

## ADVANCED VENUES

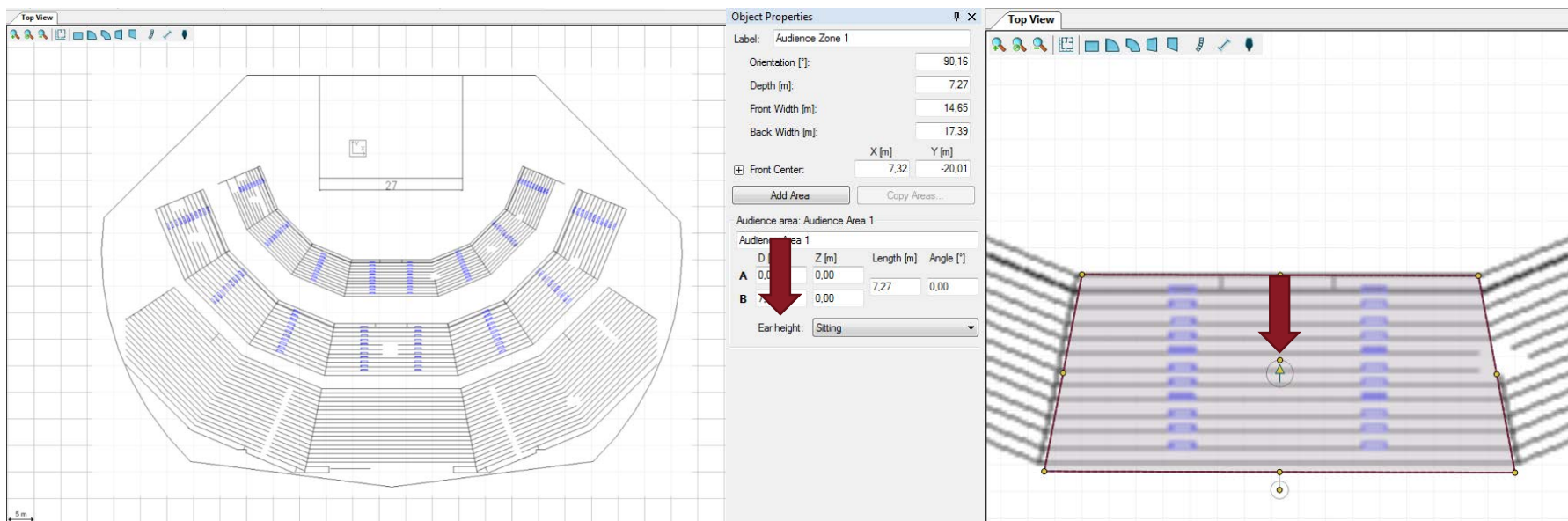
- ▶ 3. Set point „A“ and „B“ to the reference dimension (1) and enter the length (2)



# CREATING A VENUE

## ADVANCED VENUES

- ▶ 4. Now a right scaled top view is imported in EASE Focus 3 and you can start entering the audience areas by using the predefined shapes and label them.
- ▶ **Important:** After inserting the audience areas you have to define the ear height and make sure, that the arrow in the center of the audience area is facing towards the stage / loudspeaker system.

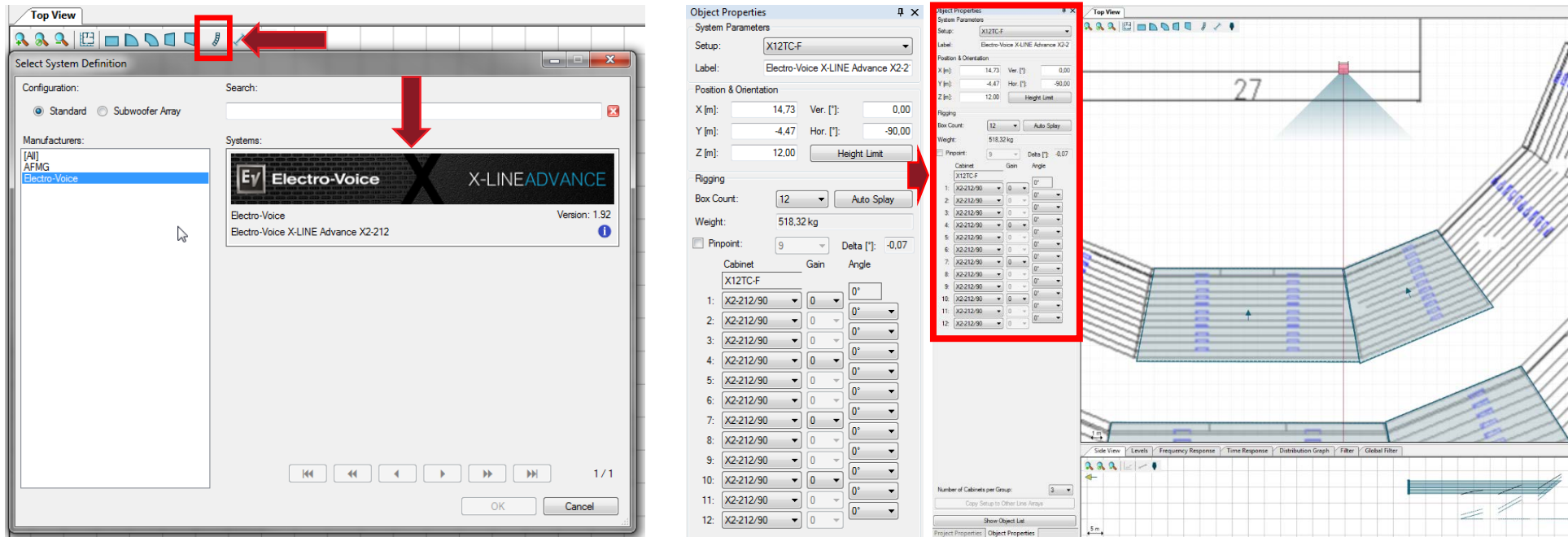


# PLACING & AIMING SPEAKERS

# PLACING SPEAKERS

## LOUDSPEAKER SELECTION

- ▶ Click on the loudspeaker symbol, select the system and place it. When the loudspeakers are selected you can edit them and further you see in the side view the cross section along the main loudspeaker facing direction



# PLACING SPEAKERS

## LOUDSPEAKER PLACEMENT

► In „System Parameters“ you can

| Cabinet       | Gain | Angle |
|---------------|------|-------|
| X12TC-F       |      |       |
| 1: X2-212/90  | 0    | 0°    |
| 2: X2-212/90  | 0    | 0°    |
| 3: X2-212/90  | 0    | 0°    |
| 4: X2-212/90  | 0    | 0°    |
| 5: X2-212/90  | 0    | 0°    |
| 6: X2-212/90  | 0    | 0°    |
| 7: X2-212/90  | 0    | 0°    |
| 8: X2-212/90  | 0    | 0°    |
| 9: X2-212/90  | 0    | 0°    |
| 10: X2-212/90 | 0    | 0°    |
| 11: X2-212/90 | 0    | 0°    |
| 12: X2-212/90 | 0    | 0°    |

- select the grid
- label the loudspeaker / hang
- modify the position
- select the amount of loudspeakers and create the aiming manually
- adjust the gain of the different segments
- or use the „Auto Splay“ function

Start Auto Splay

Box Selection

Include the following Boxes in Auto Splay Calculation:

Upper Box: 1: X2-212/90

Lower Box: 12: X2-212/90

⊕ Auto-Splay Strategy

⊕ Target Audience Areas

Auto Splay is calculated with respect to Ear Heights!

Start Cancel



# PLACING SPEAKERS

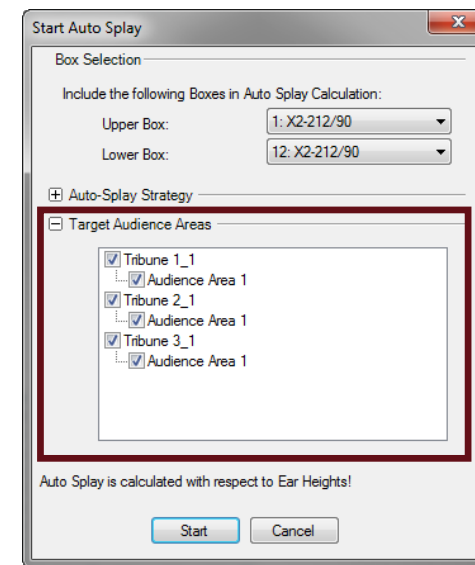
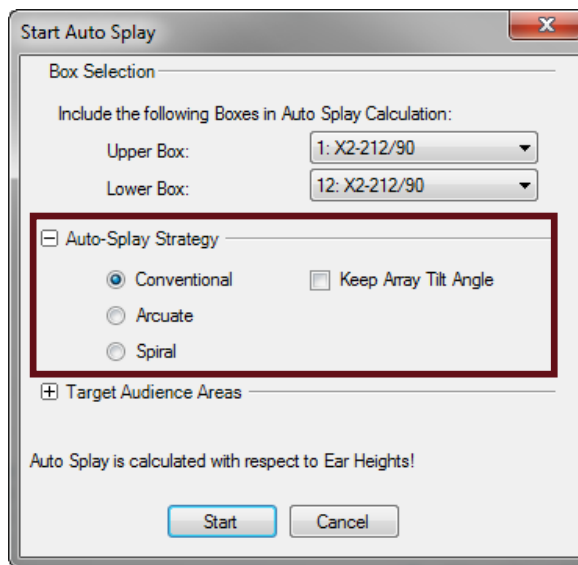
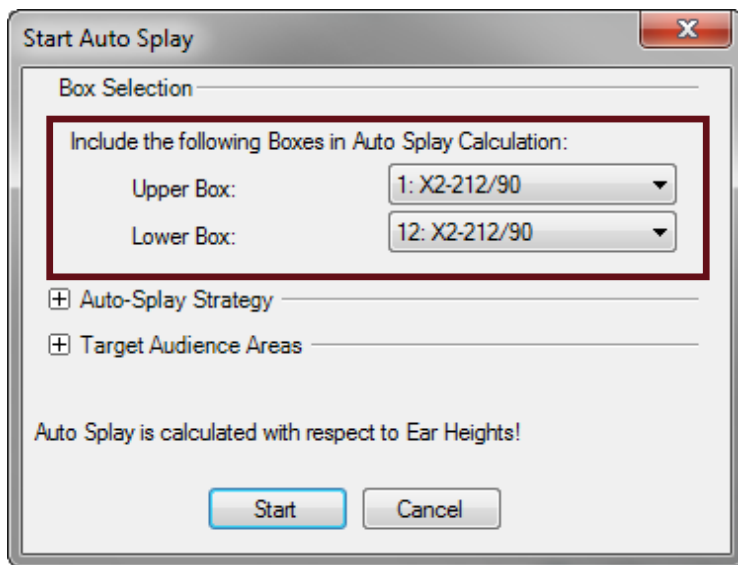
## LOUDSPEAKER AIMING

► In „Auto Splay“ you can

select the speakers which should be included,

the aiming strategy

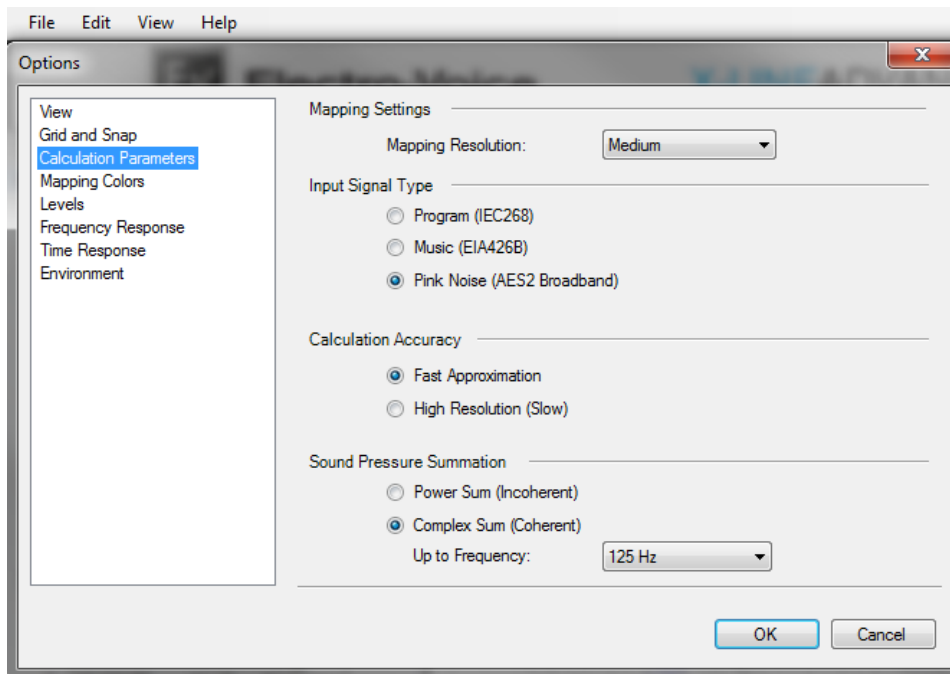
and the audience areas



# PREDICTION

# PREDICTION ADJUSTMENTS

- ▶ Within „File“ -> „Options“ some adjustments should be made before starting the calculation. Especially with a larger amount of audience areas it is recommended to start with e.g. the „Medium“ Mapping Resolution to get a faster result for the first runs.



# PREDICTION ADJUSTMENTS



Start / Stop  
Prediction

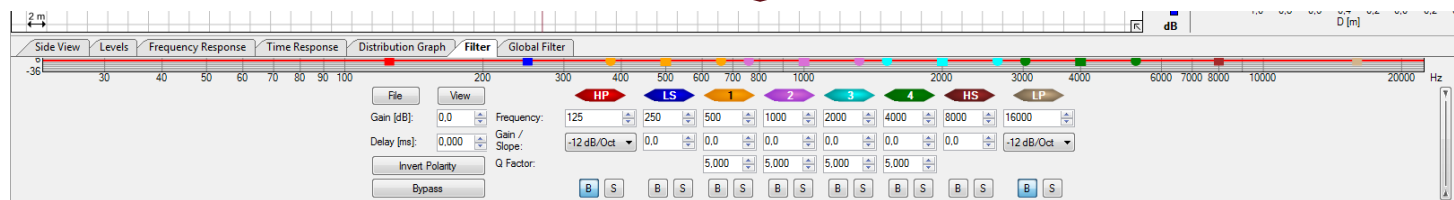
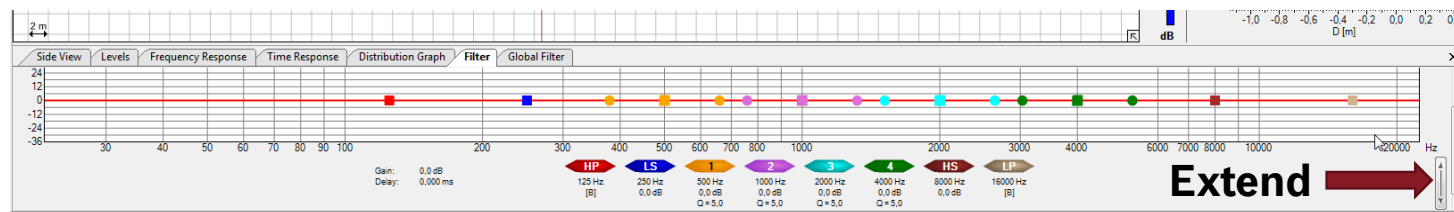
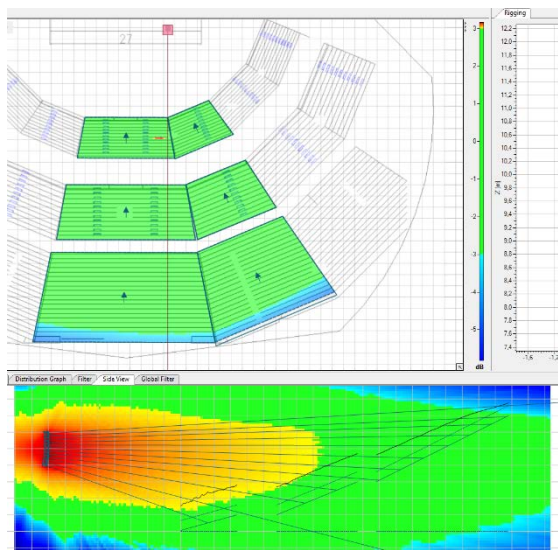
Weighting, Frequency and Bandwidth

Source selection

Audience area selection

# PREDICTION CALCULATION

By pressing „*Show Mapping*“ the calculation starts and after adjustments it will be updated automatically. For setting filters, delays,... the „*Filter*“ tab + the extension field must be selected for all options

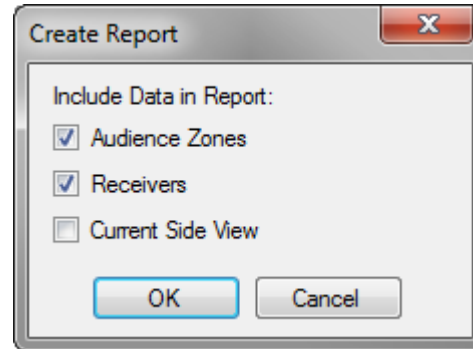
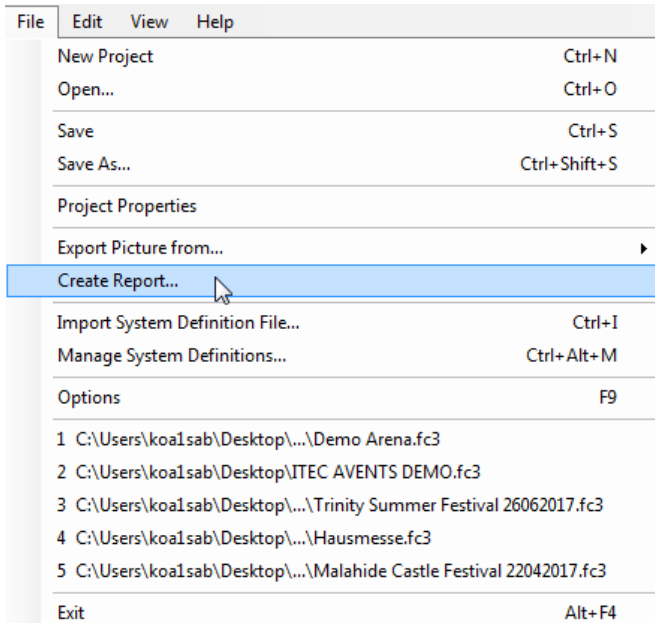


# REPORT

# REPORT

## CREATING A REPORT

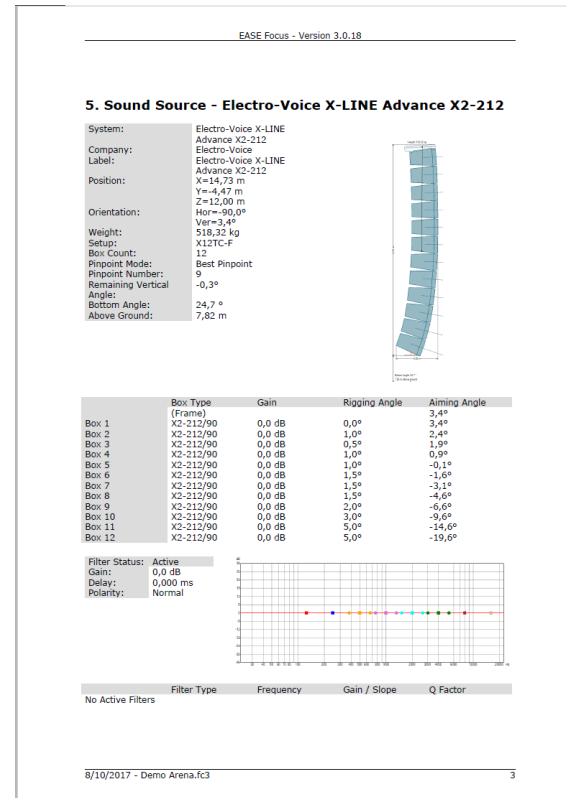
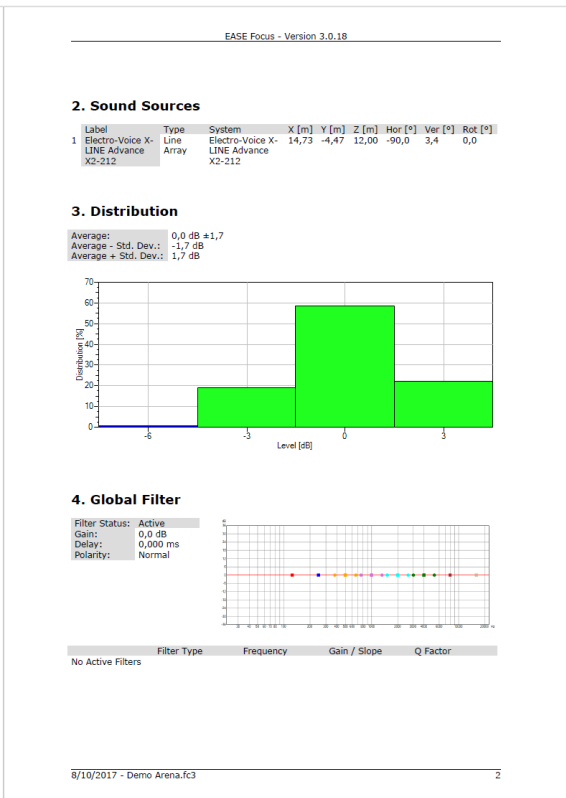
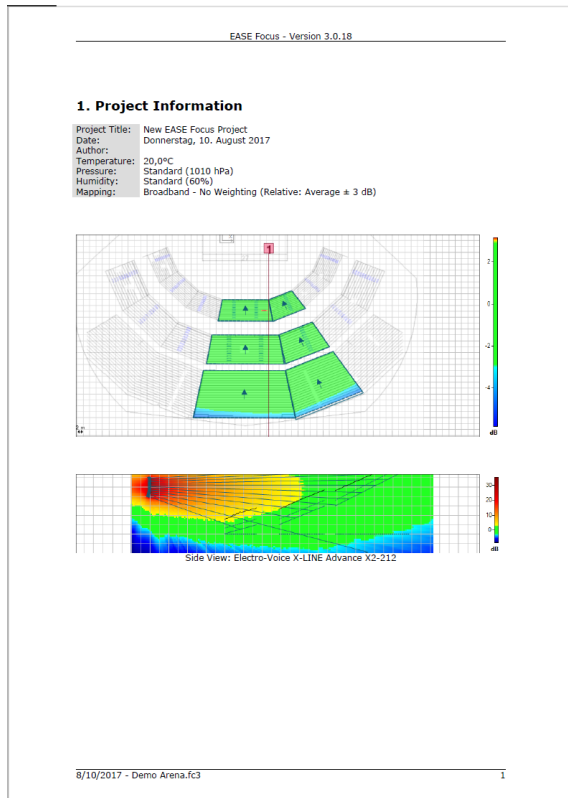
- ▶ If the design is done a report can be created via the „*Create Report*“ function
- ▶ „*Create Report*“ is included in the „*File*“ folder:



# REPORT

## CREATING A REPORT

► Depending on the selected options EASE Focus 3 will create a report:





NOW YOU ARE  
PREPARED TO  
GET STARTED  
WITH YOUR OWN  
PROJECTS!

