

TASKS ON A REHEARSAL

Reference on stage channel numbers



The logic is, that:

- Close to **Mic1** is now **Inst1** and **Inst2** cables.
- Close to **Mic3** is the **Inst3** cable.
- And the stage corner has **Inst4** and **Inst5** cables.

Before they arrive

You should be there ~20minutes before them, to be able to set up everything professionally and to avoid hurry-induced errors, fix random issues, etc.

- Follow the "[Setting up the system](#)" guide.

At the stage

- Set up correct mic heights.
- Check microphone alignments.
- Check monitor alignments.

- Fold back unused microphones.
- Turn down (turn level knob to zero) on monitors that will not be used.

At the main console

Load the main scene

Load the “CCP Service MAIN” scene.

This contains our default settings, please never overwrite it.

- Press **VIEW** at the “Scenes” section of the mixer.
- By turning the “GO” knob, **SELECT** to the “CCP Service MAIN”.
- **Press** the knob to load it.

Other things

- Mute the preaching mics, to avoid feedback.
- Set the Main fader to 0.
- Turn on the stage.

Load vocal and instrument presets

Consult with the worship leader on:

- Who will be at which mic on the stage.
- Who will use which instrument.

Based on this information...

Load Vocalists

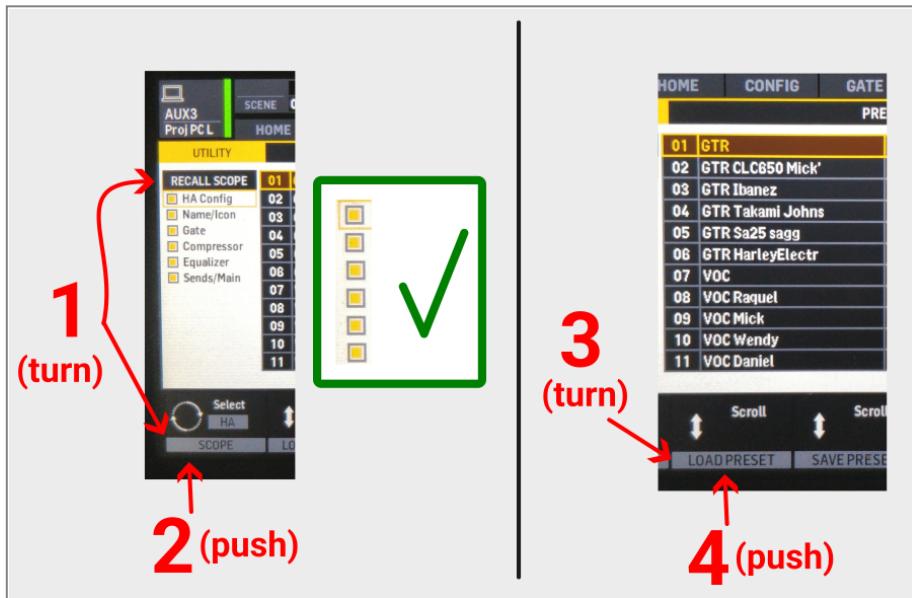
- Select the **VOCALS** layer.
- Between Vocal channel 1-6: **mute** and **pull down** unused channels.
 - Do not change channel 7 and 8.
- Load the appropriate preset for the channels, see: [Loading a preset](#).

Load Instruments

- Select the **Instruments** layer.
- Between Instrument channels 1-5: **mute** and **pull down** unused channels.
 - Don't change/mute channels 6,7,8.
- Load the appropriate preset for the channels, see: [Loading a preset](#).

Loading a preset

- Select the right **LAYER**.
- Press the **SELECT** button on the channel you want to load.
- Press the **VIEW** button on the EQUALIZER section on the mixer.
 - It might not be needed, if you pressed it already earlier.
- Press the **UTILITY** button next to the screen.



- By turning the (first) “SCOPE” knob, select the **RECALL SCOPE**.
 - See image, point #1.
- Press the knob to select **all scopes**.
 - See image, point #2.
 - Should look like the green area.
- Select the appropriate preset by **turning** the “LOAD PRESET” knob
 - See image, point #3.
 - “VOC ...” for vocalists
 - “GTR ...” for guitars
- Press second knob to load it.
 - See image, point #4.
- Press **confirm**

After the initial setup, you might want to save the preset, see “[Save the scene](#)” at the end of this document on how.

After they arrive

- Be nice, connect with them personally.
- Help them with what ever they ask.
- **Check vocalist-microphone alignments**
 - Very important!
 - Align height and direction, so that the microphone is in line with the mouth, and points towards them. Ideally it points bottom up.
 - Meanwhile, keep it in a way so that the sound from the monitor would hit the microphone from the back as much as possible.
- **Ask them to set instrument controls to neutral**
 - Some instruments have equalizers on them, ask the owner to turn it off, or set it to “flat”.
 - Some instruments have volume controls on them, ask the owner to set it to neutral, or middle.
 - And ask the owners of the instruments, not to change any of those during performing.

Gain staging

- Usually no need to gain-stage the drums and the keyboard.
- Go through Vocal mics 1-6 and Instruments 1-5 and set a proper gain on the used channels.

How to set the gain

- In order to set the gain level, we must have input.
 - Ask them one-by-one to play or sing from lowest to highest volume.
 - You only really care about their highest volume levels, but asking from lowest to highest usually helps them in producing more precise levels.
 - Alternatively you can do this while they play.
 - But make sure to set the gain when a normal, regular input is coming through.



- Press the **SELECT** button on the channel you are setting the gain on.
 - See image, point #1.
- Watch the channel strip's meter
 - See image, point #2.
- When the input is around its highest level, it should be around the **-18db** mark.
- If it needs adjustment, then turn the “**GAIN**” knob at the console's top left corner.
 - Do it until the signal jumps around -18 db.
 - See image, point #2.
- **Usually, channel gain should not be changed after this point.**

During worship

- Constantly monitor that everything sounds right.
 - **PUT YOUR HEAD OUT** of the cave for that!
- Constantly check the SPL meter to keep everything in the correct volume range.
- Check if the vocalists have the microphone aligned well.
- Set up a mix that sounds well while keeping eye on the SPL meter, the limits are written on it.
 - The lead singer should be a bit louder than the other vocalists.
- Check if they need any help, e.g.:
 - Stuck cables
 - Microphone alignment
 - Volume issues
- Verify that the stage isn't too loud.
 - Sometimes mute the MAIN channel, to see if the stage is too loud or if one source is overpowering the others on the stage.
 - If an instrument or vocalist fills the room just from the monitors, ask them or help them adjust it.
- **PUT YOUR HEAD OUT** of the cave! :)
 - If you have capacity, go up to the stage while they sing, and check if:
 - Everything is balanced, everyone hears everyone.
 - Nothing is too loud.
- Did you asked the instrument players to reset their eq/volume levels?
- Do you hear all instruments?
- Do you hear all vocalists?
- Do you hear the drum?
- Is the stage too loud?

If a vocalist sounds off-key or unexpected

Our singers are quite good and checked, so if they sound bad, that is most likely due to them not hearing themselves correctly.

To solve this: go up on the stage and check the monitor levels. The target is for them to be a bit louder.

- Either increase the overall monitor level
- Or increase their level in the monitor
- Or lower something that is too loud

An alternative reason can be:

- An overworking compressor on the channel
- A too high (or low) low-cut
- An unfortunate equalizer setting

After the rehearsal

Save the scene

- We have one preset that we never overwrite, that is the **CCP Service MAIN**.
- We load it, but we save it over on the **CCP Service**. (That's the "weekly working preset")
- Never overwrite the MAIN one please.

On the console:

- Press **VIEW** at the "Scenes" section.
- With the "Save" knob, scroll to the "**CCP Service**" (without the "MAIN").
- Press the knob to save it.
- Press the "backspace" knob to delete "MAIN" from the name, if needed.
- Press the "save" knob.
- Press confirm.

Closing up

After the event is finished, please follow the [closing up procedure](#).