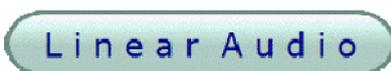




## DCX2496 active output mod by



### User Guide - remote control functions and buttons.

#### Introduction.

Setting the various in- and output levels is done through some remote control commands. The system uses standard Philips RC5 controls. Because of the learning function, described at the end, many remotes can be used. In the description below I use the buttons On/Off (or Standby), Up, Down, Left, Right, Mute, Menu and OK (or Enter). These are the buttons normally present on any remote. If you use the learning function you can assign any button to these functions, but that is, evidently, up to you.

#### Changing the volume.

X +03 +03

One thing to note when you fire up your unit: The system comes up in 'Mute' status, so there will be no sound. You will see the mute 'X' in the display. Press Mute to unmute and make the sound come alive!

The 'normal' operating mode would be to change the overall volume setting of the active speaker system connected to your DCX2496. It can't be any simpler: just use the Up or Down button. You will see the level change on the DCX display.

#### Changing the balance.

<< 01.5

You can fine-tune the balance of your system by pressing the Left or Right buttons. The display changes to show the amount of (un) balance in 0.5dB steps and the direction of the balance shift. Pressing OK returns the display to the overall level indication.

## Changing tonal balance.

Most probably your speaker drivers and/or the amps that drive them do not all have the same sensitivity, so you may want to, say, increase the woofer level and decrease the tweeter level for best tonal balance. You need to select the channel you want to increase or decrease, and then, using the Up, Down buttons, do so. Selecting the channel is through the Menu button. If you press Menu, you get a list you can scroll through with the Up, Down buttons. The example at the left shows the 'Hi' entry. If you now press OK the display shows the level settings for the tweeter channel and you can now change them through the Up, Down buttons. Pressing OK again will return you to the overall level display.

^^ OK Hi

If you scroll through the whole menu you will see the following choices and their function:

^^ OK Ld

- Hi: to change the tweeter level;
- Lo: to change the woofer level;
- An: to change the analog input level (if you use that);
- Ld: to load previous settings from a 'profile';
- Sv: to save all settings in a 'profile' for later (re)load.

When you press OK to go back to the normal level display, the unit remembers the menu function you just selected. If you want again to access the same function (tweeter channel level change in this example) you don't need to go through the menu list. Just press OK again and you are back in the 'Hi' (tweeter) level display, and can change it with Up, Down.

## Saving or (re)loading settings.

Just as with all the digital cross-over settings of the DCX2496, you can save and load all level settings from this new analog section. If you select either 'Ld' or 'Sv' from the list of menu choices (see above), you will see an additional list you can scroll through, to select the profile you want to save to (P1, P2 or P3) or to load from (P1, P2, P3, and Pd). The Pd profile is a preset default profile that you can't change, but you can use it to set the whole system to a known, balanced condition with all levels at -25dB (Analog input at -20dB). The purpose of the Pd profile is to let you recover to a defined state if you lost track of what is set to what. The example shows the selection to Load all settings from those previously saved in P2. Pressing OK will do so.

^^ OK < P2

[In addition to saving and recalling a set of settings by you, the system automatically saves all setting after each change. When you turn the unit off and then later on again, the settings will be as when you turned the unit off, but muted. Therefore, there is no need to explicitly save the settings before turning off the unit.]

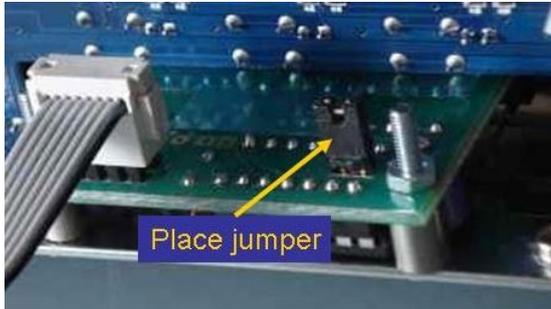
## On/Off/Standby.

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When you press On/Off (or Standby) the unit will mute all channels and turn off the display. Only a small red dot will remain to remind you that power is still on. Pressing On/Off (or Standby) again will return the unit to normal operations, NOT muted.

Assigning function buttons (learn mode).

Maybe you have a reason not to use the standard buttons on an RC5 remote, or you want to use a remote originally meant for, say, a VCR that you no longer use. In that case you can 'tell' the unit which button presses you want to assign to which function. Of course, you need then to keep track of what you have assigned, so it may be a good idea to note it down somewhere.



Pres Menu

C 18 Menu

You must 'tell' the unit you want to re-assign buttons, and the way to do this is to place the jumper as shown here. Turn off the power to the unit, place the jumper and turn on the power again. The display will now go through all functions and ask you to press the button you want to use for that function. The example at the left shows the unit asking for the 'Menu' button press (Yes I know that Press is with 2 esses, but the display is only 4 chars...). When you press a button now, the unit shows its RC5 code (Code 18 in this example) and from then on uses this for the 'Menu' function. Press Menu again (be sure to use the SAME button!) to confirm, and the unit will ask for the next button. When done with all 8 buttons, the unit goes back to normal level control and you can now use your new buttons. Don't forget to remove the jumper (the display will remind you), otherwise the unit starts asking you again after a power off/on cycle (no need to turn of the power to remove the jumper).

Questions, comments, bugs: please mail me at [jan@linearaudio.nl](mailto:jan@linearaudio.nl)