



Easy Connection and Setup of a PowerBox MASTER-FOLLOWER Tandem



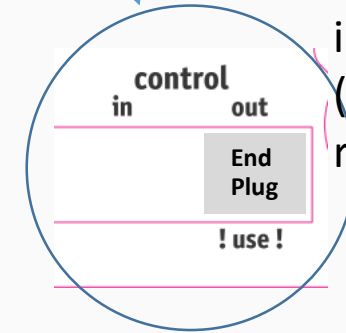
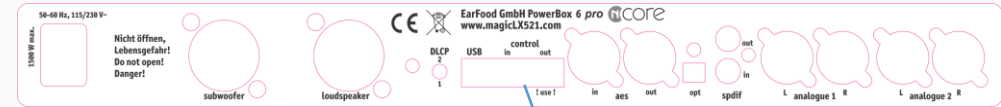
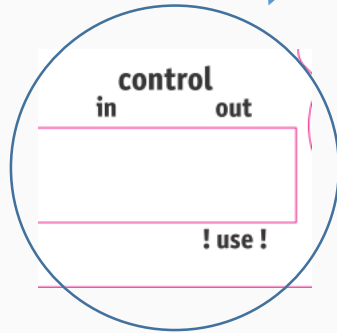
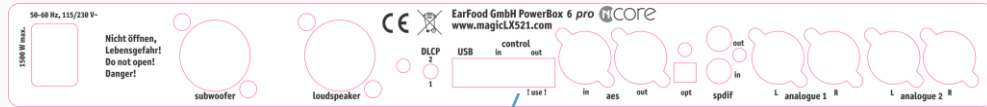
MASTER Box

L



FOLLOWER Box

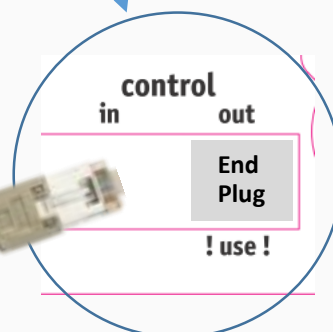
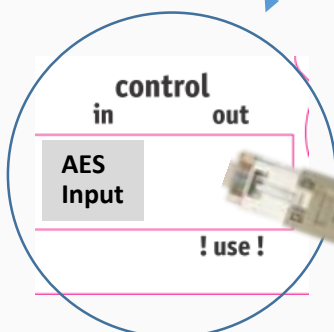
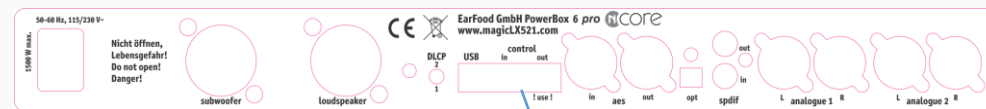
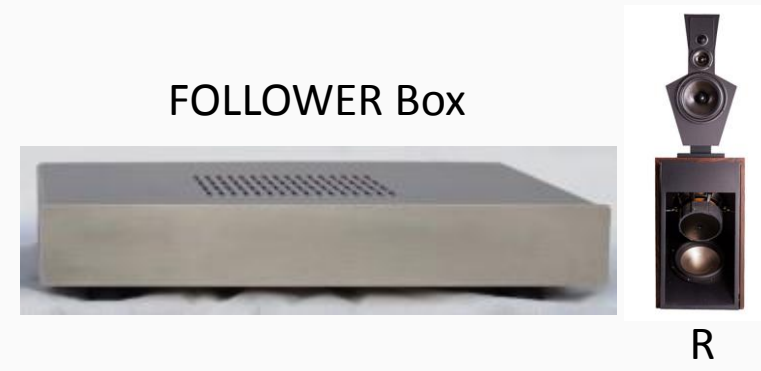
R



The last PowerBox in the chain (FOLLOWER) requires an **End Plug**

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connect



CAT6 cable (max.10m)

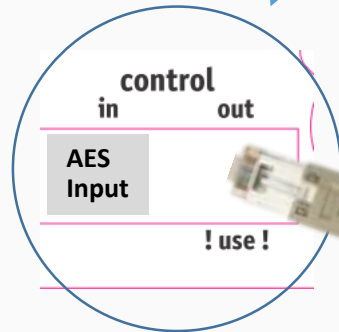
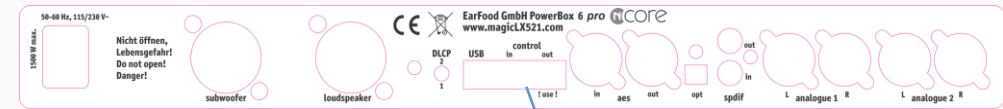
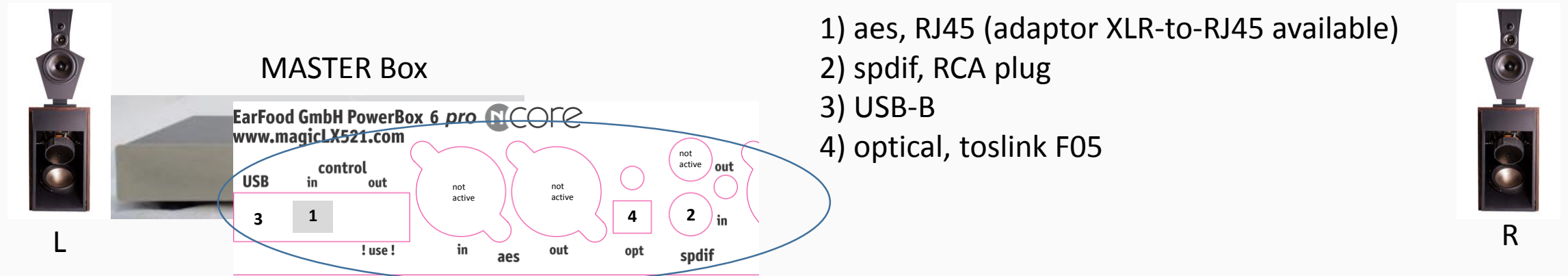
- Volume & Input selection sync
- Digital music signal (AES) transfer

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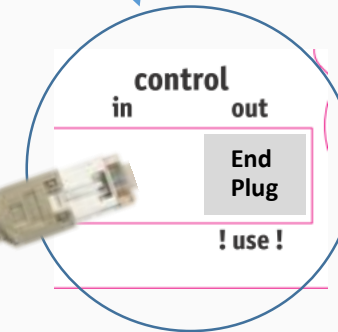
connect

Connect your **digital** music source to the MASTER Box **only**:

- 1) aes, RJ45 (adaptor XLR-to-RJ45 available)
- 2) spdif, RCA plug
- 3) USB-B
- 4) optical, toslink F05



CAT6 cable (max.10m)

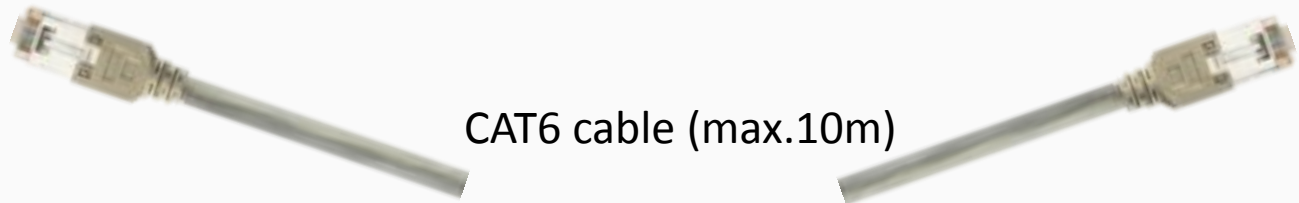
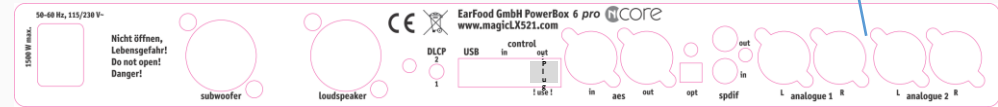
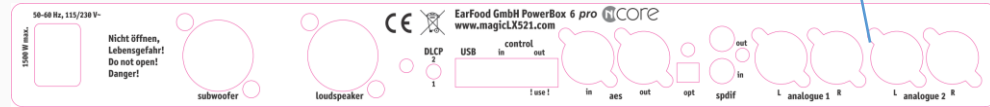
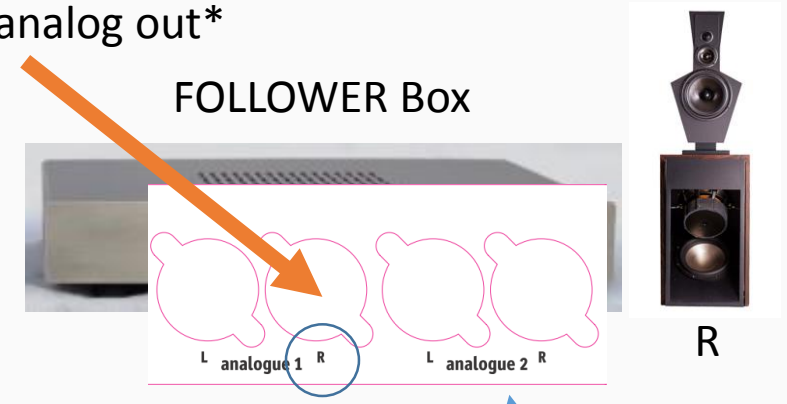


- Volume & Input selection sync
- Digital Music Signal (AES) transfer

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connect

Connect your **analog** music source to MASTER and FOLLOWER Box,
left analog out* **right analog out***



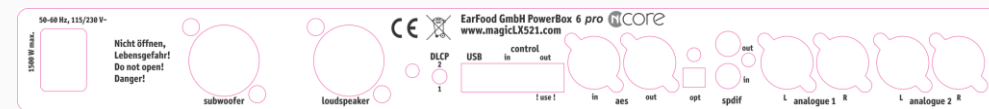
CAT6 cable (max.10m)

Volume & Input selection sync

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* Balanced connections XLR-XLR preferred. However, analog adaptor cables RCA-to-XLR available in our webshop.
 A second analog source may be connected to „analog 2“



All settings via control pushbuttons (only!), both PowerBoxes switched ON and interconnected by CAT6 cable, speakers disconnected:

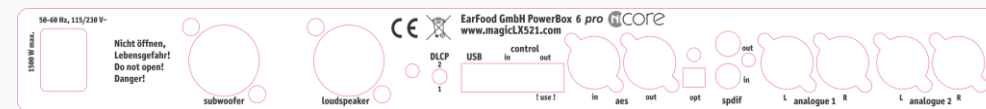
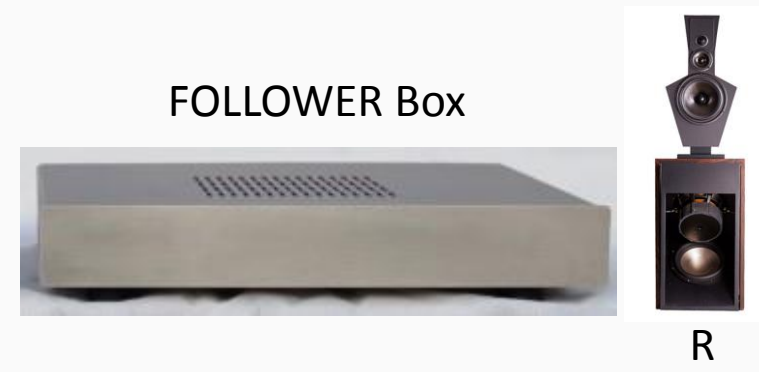
Input selection:

For digital sources select „auto detect“ (details below)

For analog sources select „analog 1“ or „analog 2“

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set-up



DLCP 1 setting (=MASTER box):

„Source CH 1“ to „6“ : all „Left“*,
 „USBaudio: CAT/AES

DLCP 2 setting (=FOLLOWER box):

„Source CH 1“ to „6“ : all „Right“*,
 „USBaudio: CAT/AES“

*for mirrored configurations with MASTER on R speaker side: adapt settings accordingly

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set-up



Input selection, digital sources:

„auto detect“ . This selection is synced to the FOLLOWER, which will detect AES signal in CAT6 cable.

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set-up



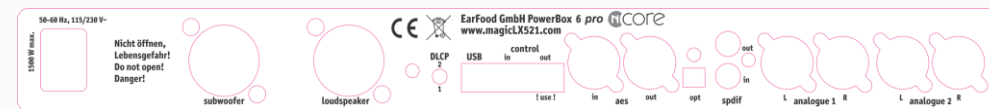
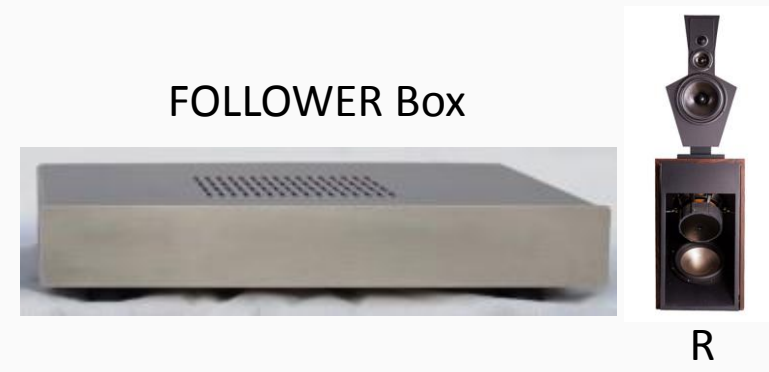
Input selection, digital sources:

„auto detect“: The MASTER switches its input to any active digital source.

With two or more digital sources active, the hierarchy is **1) AES, 2) spdif, 3) USB, 4) optical.**

Be aware, that some „inactive“ digital sources may nevertheless produce an output signal. Sources with such erroneous signals must be unplugged i.o. to make auto detect work properly.

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set-up



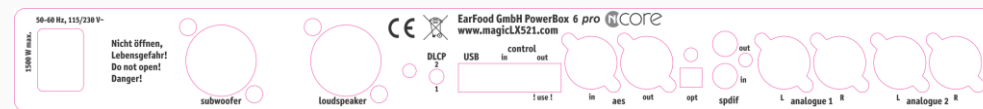
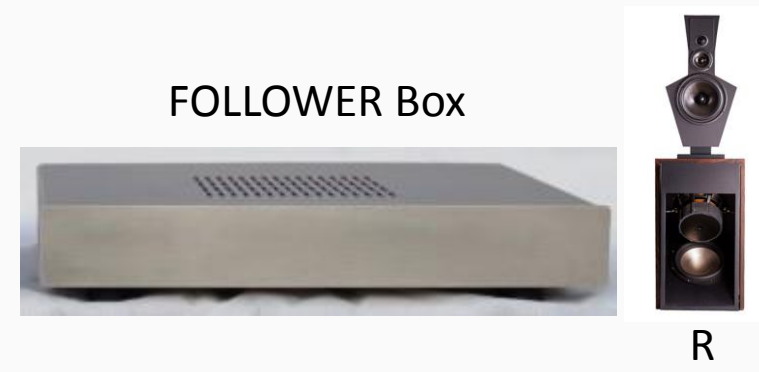
Input selection, digital sources:

Q: Why can't I select the digital input to e.g. „optical“ in MASTER-FOLLOWER tandem?

A: In tandem operation, the „optical“ input selection is synced to the FOLLOWER, which will not find a signal at its optical input.

Q: Why is the AES input via RJ45 plugs i.s.o. digital XLR?

A: To allow the best possible connection with an afi/USB reclocker (or another AES source). R.Koschnicke on interconnects: „XLR and cinch connectors became standard around 40 years ago because they were common in analog technology. However, they are only suited to digital signals to a very limited extent because the impedances do not really match and the wrong impedance can produce signal reflections on digital cables, thus producing inadequate signal quality. Faithful transmission is not possible without solving this problem. Therefore, reclocking is only one of the many features of afi. Blocking interfering signals and cable technology are far more crucial to actually transmit the precision thus generated to the DA converter. This increases the quality of the digital-analog conversion in the connected DA converter.



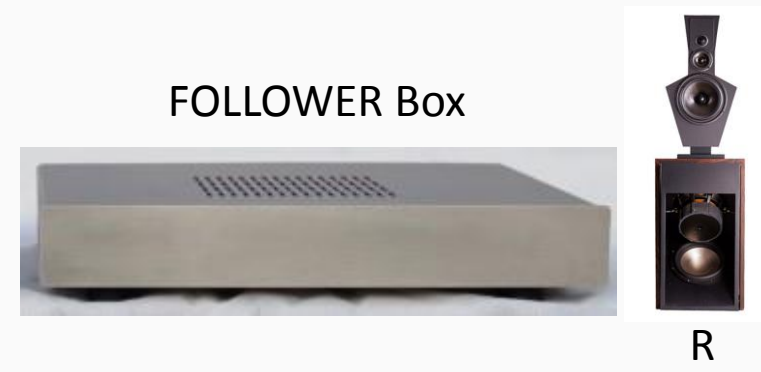
Input selection, digital sources:

*Q: Why is the digital music stream sent to the FOLLOWER by **CAT6 cable** i.s.o. AES/XLR or RCA/spdif ?*

- A:* 1) Because the CAT6 connection is superior (see above).
 2) Because it reduces the number of cables laying around.

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set-up



Enjoy the Music!