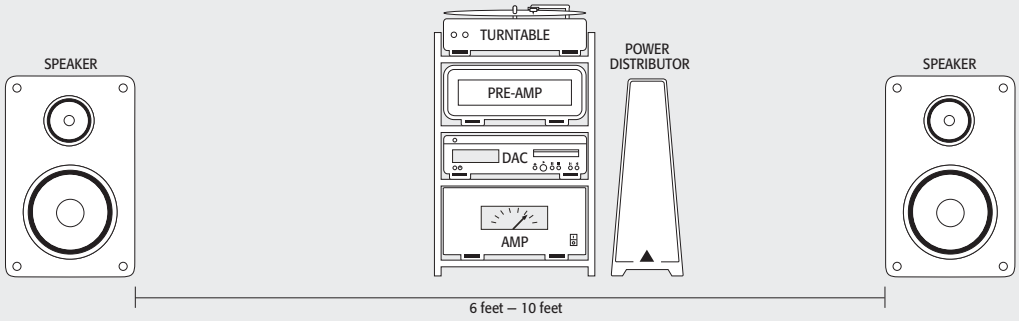
SYSTEM PROFILE

This approximation will help to profile the grounding system most appropriate to meet your needs. We will develop a more detailed picture of your system as we proceed through the ALTAIRA workshop.

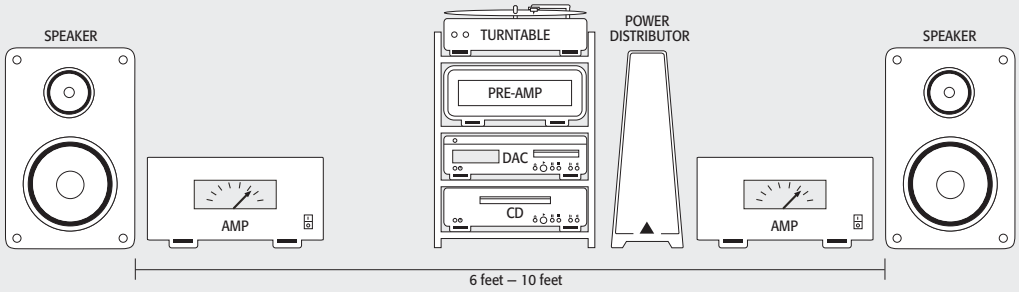
PROFILE A

Single rack, 4-5 components, standard speaker spacing.
Possibly a power distributor.



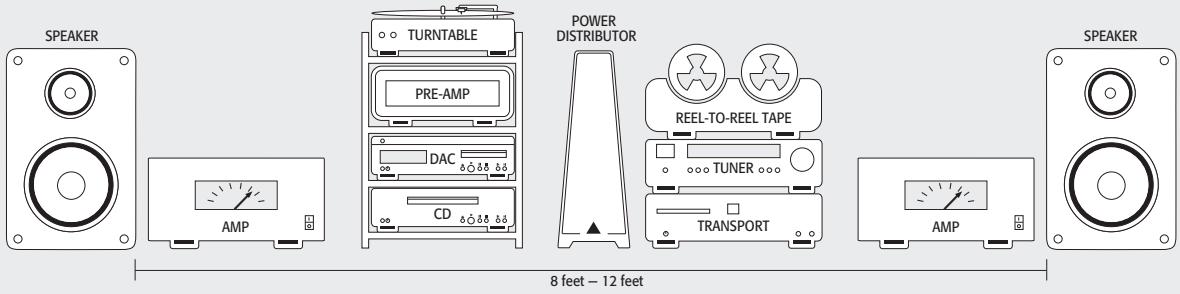
PROFILE B

Single rack, 4-5 components, standard speaker spacing.
Possibly a power distributor. Monoblock amplifiers near the speakers.



PROFILE C

Multiple racks, monoblock, larger room with wider speaker placement.



PROFILE D

Large system, unique/custom spacing between racks and between speakers, non-standard orientation in a room.

SYSTEM PROFILE

The System Profile diagram provides a generalized picture of a customer's entertainment system. Over 90% of all systems fall into one of these four profiles. The specific profile provides the dealer or system designer an idea of the size, scope and complexity that each system may present.

PROFILE A — Single rack, 4-5 components, standard speaker spacing. Possibly a power distributor.

This system only needs a single Chassis Model ALTAIRA Hub for good performance. The CGC cables are all within a single rack so 1 meter cable lengths for each component is sufficient.

Upgrades: Although there are only 4-5 components, if the customer is willing to deal with more complexity and cost, the overall performance can be improved by segmenting the ground system. Add a second Signal Model ALTAIRA to connect *only* digital components such as; computers, disc drives, NAS, Wifi, routers etc to this hub.

PROFILE B — Single rack, 4-5 components, standard speaker spacing. Possibly a power distributor. Monoblock amplifiers near the speakers.

This system only needs a one Chassis Model ALTAIRA Hub for good performance. The CGC cables are all within a single rack so the 1 meter cable lengths for each component is sufficient. The mono-block amplifiers are usually located near to the speakers which means CGC cables that are 2-3 meters in length is recommended.

Upgrades: Although there are only 4-5 components, if the customer is willing to deal with more complexity and cost, the overall performance can be improved by segmenting the ground system. Add a second Signal Model ALTAIRA to connect *only* the digital components, such as; computers, disc drives, NAS, Wifi, routers etc to this hub.

PROFILE C — Multiple racks, monoblock, larger room with wider speaker placement.

This system is larger and more complex than A or B. While a single ALTAIRA hub would provide good performance, two hubs is highly recommended. Two hubs would allow segmentation of the grounding system. The analog components would be attached to one hub while the digital and computer components would be attached to a second hub dedicated to the digital type components.

CGC cables that are 1 to 1.5 meters in length are usually sufficient to reach all the components in the system except for the amplifiers. The mono-block amplifiers are usually located near to the speakers which means CGC cables that are 2-3 meters in length is recommended.

Upgrades: System performance can be improved by moving up to higher level CGC/SGC Ground cables. Alpha and Sigma level ground cables are highly recommended.

PROFILE D — Large system, unique/custom spacing between racks and between speakers, non-standard orientation in a room.

These systems are very large in scale and the complexities are impossible to quantify as a generality. These systems may need several ALTAIRA ground hubs and many ground cables. It is highly recommended that you consult with a Trained and *Authorized ALTAIRA Dealer* or call Shunyata Research Customer Support for system of this scale.