This guide provides a description of the different permutations of Server control from one AViTA controller. This assumes that the Server has 4 channels.

1. Basic control of one server with internal storage via VDCP serial

Example - License – 4 Channels – Gearbox
Only one server bin is available and up to 4 channels are controllable.

Example – License – 4 Channels – Gearbox – Servo
This configuration makes no sense for a single server

Example – License – 4 Channels – Gearbox – Reflector – Servo
With Servo it is possible to set up different channels as (pseudo) servers – only useful if for example the server supports separate clip directories per channel (e.g. DVS)

2. Control of two servers with separate storage via VDCP serial

Example - License – 8 Channels – Gearbox
Only one server bin is available and up to 8 channels are controllable, however, as only the Server 1 bin is being accessed, it is important that the clips on Server 2 are the same as the clips on Server 1.

Example – License – 8 Channels – Gearbox – Servo
With Servo it is possible to set up a second Server (up to 8 – 1 per channel). Using the Server Projects on AViTA, a project can be set up to access the other Servers and a Server bin for each Server will be accessible.

Example – License – 8 Channels – Gearbox – Reflector – Servo
This adds playback and recording mirrored channels to two or more different Servers.
3. Control of one Server via API

Example – License – 4 Channels – Gearbox
Only one Server bin is available for all channels but different clip directories can be accessed for each channel. Without the Servo license, all clips from all directories will be shown in one Server bin and merged.

Example – License – 4 Channels – Gearbox – Reflector
With reflector it is possible to mirror any channel with another channel. With API it is possible to access two or more clip directories; therefore it is possible to mirror record to two different clip directories. Mirror recording to one clip directory will not work because two clips cannot have the same clip name/ID in the same directory.

Example – License – 4 Channels – Gearbox – Servo
With Servo, it is possible to set up a channel as a second (pseudo) Server. Assuming the channel assigned as a second Server is also assigned with a different clip directory. The advantage of using Servo is to see the two different clip directories.

Example – License – 4 Channels – Gearbox – Reflector – Servo
This adds possibility to mirror record to the two separate clip directories with the same clip name/ID.

4. Control of two Servers with separate storage via API

Example – License – 8 Channels – Gearbox
Each Server will have a different IP Address. Assuming each Server has four channels, it is possible to access both Servers with one Server setting on AViTA. Assuming that each server has a clip directory of the same name, all clips from both servers will be shown in one bin. However, if there is a clip on Server 1 that isn’t on Server 2, it will not be possible to load that clip onto Server 2.

Example – License – 8 Channels – Gearbox – Reflector
With reflector and no Servo it is not possible to mirror any channels to the opposing Server.

Example – License – 8 Channels – Gearbox – Servo
Using the Server Projects on AViTA, a project can be set up to access the two Servers and a separate Server bin for each Server will be accessible.
Example – License – 8 Channels – Gearbox – Reflector – Servo

With Reflector it is possible to mirror any channel to any other channel on the same or opposing server. As long as the mirrored channel isn’t sharing the same IP and clip directory, it is possible to mirror record.

5. Control of two Servers with shared storage via API

If the two Servers share the same clip database, then record mirroring is not possible for two channels to record the same clip name/ID to the same location.