GroundControl™ Multi v3.x

GroundControl™ Multi (GC Multi) enhances the award-winning PRG GroundControl™ Followspot System. This innovative system enables up to 100 non-GC luminaires to be controlled and tracked by a single GroundControl Multi Server.

GroundControl Multi enables up to 100 fixtures from any manufacturer to be linked to an existing GroundControl system and follow up to 25 targets. Control over fixtures can be easily swapped between a lighting console and the GroundControl Multi system.

Designers now have the capability to convert any moving light into a followspot, enabling seamless coordination of multiple followspots from any location with a single operator.

GroundControl Multi Followspot System consists of five parts: a GC Multi Server, up to 25 GC Followspot Controllers with their corresponding GC Luminairs and Truss Boxes, and up to 100 non-GC fixtures.
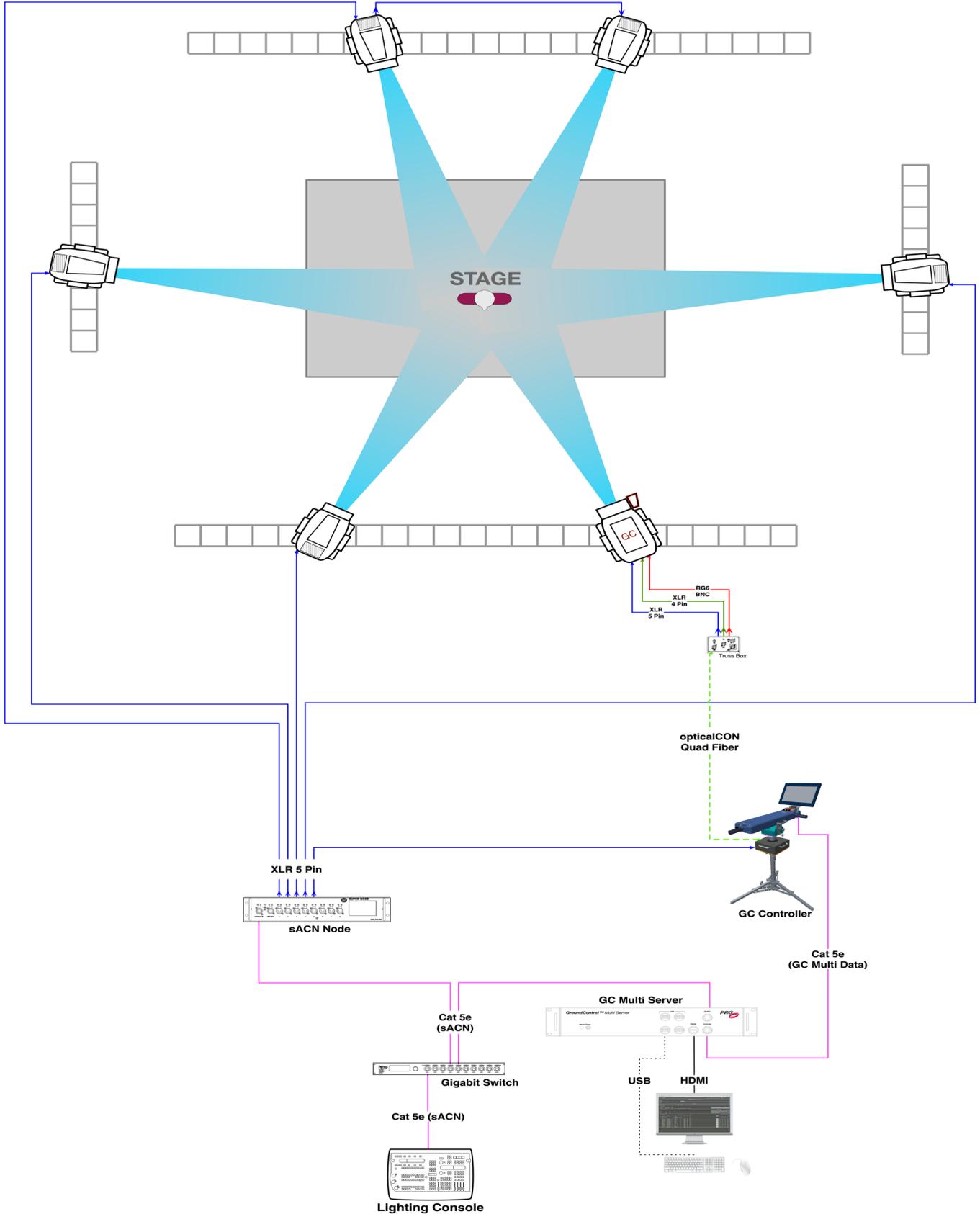
New in the v3.x software:

+ Up to 25 GroundControl Controllers can be connected to the same server, allowing for calibrated tracking of up to 25 targets.

+ Dynamic swapping (with timing) of tracking fixtures between targets.

+ Up to 10 Focus Points, selectable per fixture, to allow for increased accuracy when calibrating.

+ Dynamic Z Height control from the lighting console

+ Improved calibration accuracy

+ Ability to send PSN target data out of the server

Features

Simple Setup:	Networking setup is simple and quick with easy to read indcators and interface along with quick ethernet port selection.
Simple Calibration:	With the need for only 4 caliberation points and the ability to caliberate from the console, caliberation time is cut down from hours to minutes.
Auto Beam Size:	The GC Multi System will track and dynamically change the beam size of the Multi fixtures as the system tracks up and downstage.
Z Height Control:	Ability to set a default Z height as well as use a fader on the GroundControl unit or incoming DMX from the lighting console to control the Z Height on the fly.
Switch Quickly:	Quickly switch control of fixtures between console and GroundControl. Ability to switch between Imperial and Metric units.

Minimal Additional Equipment:

+ 1U GC Multi Server

+ HDMI monitor

+ Keyboard and mouse

DMX: 7 Channels for the GroundControl Multi v3 Main fixture which acts as control for the main GroundControl Fixture.

3 channels for the GroundControl Multi v3 Toggle (MT) fixture. Each non-GC fixtures has corresponding MT fixture that controls the toggle between GC and Console control.

STAGE

RG6
BNC

XLR
4 Pin

XLR
5 Pin

GC

Truss Box

opticalCON
Quad Fiber

XLR 5 Pin

sACN Node

GC Controller

Cat 5e
(GC Multi Data)

GC Multi Server

GroundControl™ Multi Server

Cat 5e
(sACN)

Gigabit Switch

USB

HDMI

Cat 5e (sACN)

Lighting Console

GroundControl™ Multi System Diagram - Multiple Controllers

GC-MT
Set To:
SPOT 2

GC-MT
Set To:
SPOT 1

GC-MT
Set To:
SPOT 1

GC-MT
Set To:
SPOT 2

GC-MT
Set To:
SPOT 2

GC-MT
Set To:
SPOT 1

STAGE

GC-MT
Set To:
SPOT 1

GC-MT
Set To:
SPOT 2

GC

GC

RG6
BNC

RG6
BNC

XLR
4 Pin

XLR
4 Pin

XLR
5 Pin

XLR
5 Pin

Truss Box

opticalCON
Quad Fiber

opticalCON
Quad Fiber

XLR 5 Pin

SUPER NODE

sACN Node

GC Controller
SPOT 1

GC Controller
SPOT 2

Cat 5e
(GC Multi Data)

Cat 5e
(sACN)

GC Multi Server

GroundControl™ Multi Server   PRG

Gigabit Switch

Gigabit Switch

Cat 5e
(GC Multi Data)

Cat 5e (sACN)

USB   HDMI

Lighting Console