

Sensor Cable Length Guidelines

Juno

Sensor Type	Max Length	Max Difference Between Cable Lengths	Example
Single IR Speaker, wall sensor, ceiling sensor	80ft / 24m	N/A	N/A
More than one IR Speaker, wall sensor, ceiling sensor	80ft / 24m	If more than one sensor, lengths of cables can differ by no more than 30ft / 9.1m	Sensor cable #1 is 80ft / 24m, sensor cable #2 can be no shorter than 50ft / 15m Sensor cable #1 is 20ft / 6m, sensor cable #2 can be no longer than 50ft / 15m
Any extensions must be RG-59U with at least 90% shielding (double shielding recommended) with video rated RCA connectors. Optimal performance is achieved when cable lengths are equal when more than one sensor is used. FrontRow is not responsible for performance when cables are altered.			

Symbio, Lasso II, Lasso, Smart Receiver

Sensor Type	Max Length	Max Difference Between Cable Lengths	Example
IR Speakers or wall sensors only	100ft / 30.5m	Lengths of cables can differ by no more than 40ft / 12.2m	Sensor cable #1 is 50ft / 15.25m, sensor cable #2 can be no shorter than 10ft / 3m or no longer than 90ft / 27.4m.
Ceiling sensor only	100ft / 30.5m	If more than one ceiling sensor, lengths of cables can differ by no more than 30ft / 9.1m	Sensor cable #1 is 50ft / 15.25m, sensor cable #2 can be no shorter than 20ft / 6m or no longer than 80ft / 24.4m.
IR speakers / wall sensors combined with 1 ceiling sensor	100ft / 30.5m	Ceiling sensor cable can be 25ft / 7.6m shorter or up to 50ft / 15.25m longer than the shortest IR speaker / wall sensor cable	IR speaker / wall sensor cable #1 is 30ft / 9.1m, IR speaker / wall sensor cable #2 is 60ft / 18.25m the ceiling sensor cable can be no shorter than 5ft / 1.5m or no longer than 80ft / 24.4m.
Any extensions must be RG-59U with at least 90% shielding (double shielding recommended) with video rated RCA connectors. Optimal performance is achieved when cable lengths are equal when more than one sensor is used. FrontRow is not responsible for performance when cables are altered.			

Pro Digital

Sensor Type	Max Length	Min Length
IR Speaker, wall sensor, ceiling sensor	50ft / 15.25m	50ft / 15.25m