



# Measure for Success

with color screens and Applause™ Media System

We have received many questions about the wiring needs for sites with color screens and the Applause Media System.

Your customers will need to decide on one of the four configurations below, before ordering color screens and Applause. To measure the distance referenced below, they will need to calculate the length between their server location and the furthest dispenser location.

It is important to understand the distance limitations, for it could save your customer significant amounts of money during installation.

Configuration	Requirement
Monochrome (retrofit)	<ul style="list-style-type: none"><li>- Long Range Ethernet (LRE) switch (M04895B008)</li><li>- In-dispenser Connectivity Card Kit (M04154K001)</li><li>- Twisted pair cabling</li></ul>
Monochrome (factory installed)	<ul style="list-style-type: none"><li>- Long Range Ethernet (LRE) switch (M04895B008)</li><li>- In-dispenser Connectivity Card Kit (M04154K006)</li><li>- Twisted pair cabling</li></ul>
Color (connectivity wiring run > 280ft.) in spare conduit only	<ul style="list-style-type: none"><li>- Long Range Ethernet switch (M04895B008)</li><li>- In-dispenser Connectivity Card Kit (M04154K006)</li></ul>
Color (connectivity wiring run < 280ft.) not run in AC conduit.	<ul style="list-style-type: none"><li>- 3rd party business class network switch</li><li>- Gas and oil resistant CAT5 cabling</li></ul>
Wiring through AC Power	<ul style="list-style-type: none"><li>- Isolation Box (PA03760000)</li></ul>

\* For color orders only and for a very limited time M04154K006 will be shipped at no charge

LRE stands for Long-Range Ethernet network switch. It enables uninterrupted Ethernet connectivity for wiring runs longer than 280ft. An LRE is only used with twisted pair wiring configurations.



Configuration					
Distance to furthest dispenser	Connection Option	Required for Factory Installed Smart Connect Monochrome	Required for Field Upgrade of Monochrome without factory installed Smart Connect	Required for Factory Installed Color SC Options	Required for Field Upgraded Color SC Options
<280' and wiring is run in conduit without AC wiring in it.	Ethernet (CAT5e) is least expensive	Customer must supply Ethernet switch	Dispenser needs M04154K007. Customer must supply Ethernet switch	Customer must supply Ethernet switch	Customer must supply Ethernet switch
	LRE & single twisted pair wiring is possible (but not recommended)	Long Range Ethernet switch (M04895B008) needed	Dispenser needs M04154K001. LRE switch (M04895B008) needed	LRE switch (M04895B008) needed	Dispenser needs M04154K006. LRE switch (M04895B008) needed
Regardless of distance, the wiring must run in AC conduit.	Ethernet is not possible				
	LRE & single twisted pair wiring required due to NEC electrical isolation requirements.	Long Range Ethernet switch (M04895B008) and Isolation Box (PA03760000) needed	Dispenser needs M04154K006. LRE switch (M04895B008) and Isolation Box (PA03760000) needed	LRE switch (M04895B008) and Isolation Box (PA03760000) needed	Dispenser needs M04154K006. LRE switch (M04895B008) and Isolation Box (PA03760000) needed
>280' and wiring is run in conduit without AC wiring in it.	Ethernet is not possible				
	LRE & single twisted pair wiring required due to distance	Long Range Ethernet switch (M04895B008) needed. Isolation Box (PA03760000) is suggested for wiring ease.	Dispenser needs M04154K001. LRE switch (M04895B008) needed. Isolation Box (PA03760000) is suggested for wiring ease.	LRE switch (M04895B008) needed. Isolation Box (PA03760000) is suggested for wiring ease.	Dispenser needs M04154K006. LRE switch (M04895B008) needed. Isolation Box (PA03760000) is suggested for wiring ease.