LIGHTRONICS

AF5113
Architectural Remote Station

Version 0.2
06/14/2023

INTRODUCTION

The AF5113 is a 12 scene, wall mount remote station which utilizes a standard five gang wall switch box. It is intended for use with the Lightronics LitNet architectural control system. The LitNet host units consist of the AB ballast/LED drivers, the AR / RA series of architectural dimmers, and the SR616 / SC910 architectural controllers. All power and data connections are via a four wire communication bus between itself and the LitNet host.

The AF5113 provides manual fader control of 12 scenes. The 13th fader serves as a master control for all twelve scene faders. Pushbutton switches are provided to activate the manual faders, along with a blackout and an "all full on" selection. LED indicators provide status feedback.

Multiple units may be daisy chained together to provide control from various locations. The AF5113 may also be used with other Lightronics architectural remote stations.

INSTALLATION

CONNECTIONS

> ⚠️ **CAUTION**
> **Remove all power from the LitNet Host before making connections**

The AF5113 connects to a LitNet host via a shielded four conductor cable arranged as two twisted pairs. A data grade, low capacitance cable (less than 25 pf/ft.) is required. One pair connects to the DATA – and DATA + signals. The other pair carries the power (REMOTE V+) and COMMON. The cable shield should be connected to the COMMON. A connection diagram is provided at the end of this manual.

CONNECTING A SINGLE UNIT: Connect the four cable wires to the screw down terminals on the back of the unit. Connect the cable shield to the REMOTE COMMON terminal. The other end of the cable will connect to a LitNet host unit. See the LitNet host product owner's manual for exact connection details.

CONNECTING MULTIPLE UNITS: Follow the instructions above for a single unit for the first AF5113. Connect the corresponding connector pins of the second unit to those of the first unit. Continue to daisy chain additional remote stations to the second unit and so forth.

MULTIPLE UNITS OF DIFFERENT TYPES: The AF5113 may be connected together with other Lightronics smart remotes. These remotes all have the same connection scheme. Connect the AF5113 to the other remotes by connecting like signal names together (REMOTE COMMON to REMOTE COMMON etc.).

SCENE ASSIGNMENTS

The AF5113 operates by fading scenes 51 thru 62 in the AR / AB / RA units. The leftmost fader (#1) corresponds to scene 51. Scene numbers proceed from left to right. If multiple AF5113 units are used together, then they will each operate scenes 51 - 62. Scene assignments with the SR616 and SC910 host units are specified within the owner's manual of those devices.

It is possible to have an AF5113 operate other scenes, but the unit must be ordered with special programming.

OPERATION

No setup or turn on procedure is needed. When the LitNet host unit is powered on, the AF5113 will also be activated. The AF5113 will activate in the "all scenes off" state.

The scenes activated by the AF5113 must be created and stored in the LitNet host prior to activation. See the LitNet host product owner's manual for detailed instructions for creating and storing scenes.

The faders on each AF5113 operate in a pile-on mode on a "greatest of" basis. This means that the value for a particular DMX address will be at the highest setting of any scene calling for that DMX address.

If multiple AF stations will be installed in a system, any action taken on one station will update the status of all scenes to the settings on that particular station. The faders on one unit do not physically move the faders on other stations to match the new scene setting.

The MAN button enables the faders for raising and lowering scenes.

The OFF button causes all twelve scenes to be blacked out (turned off).

The ON button causes all twelve scenes to be fully activated (turned on).

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AF5113 ARCHITECTURAL REMOTE STATION
OWNER'S MANUAL

MAINTENANCE AND REPAIR

TROUBLESHOOTING

1. Ensure there is +12 VDC between the REM V+ and REM COM terminals.

2. Verify the polarity is correct with the DATA - and DATA + connections on the LitNet host and AF5113.

3. Check that the proper scenes are set in the LitNet host. The AF5113 stations are programmed to start at scene 51 by default.

4. There must be one, and only one, LitNet host in the system set to UNIT ADDRESS 00. Refer to each LitNet host owner's manual for instructions on how to change the Unit Address/Architectural ID. Set other LitNet host UNIT ADDRESSES to an increment above 00.

OWNER MAINTENANCE

There are no user serviceable parts in the AF5113. Internal service on the unit by other than Lightronics authorized agents will void the warranty.

OPERATING AND MAINTENANCE ASSISTANCE

If service is required, contact the dealer from whom you purchased the unit or contact the Lightronics Service Department. 509 Central Drive, Virginia Beach, VA 23454. Tel: 757 486 3588.

WARRANTY INFORMATION AND REGISTRATION – CLICK LINK BELOW

www.lightronics.com/warranty.html

AF5113 CONNECTIONS