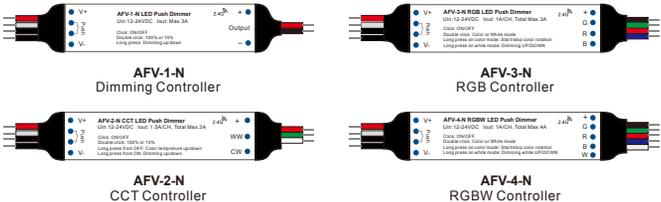


DIM/CCT/RGB/RGBW 1-4 Channel Mini LED Push Dimmer

Model No.: AFV-1-N, AFV-2-N, AFV-3-N, AFV-4-N

1-4 color/ Push Dim/ Max 75W/ Step-less dimming/ W wireless remote control



FC CE RoHS LVD RED

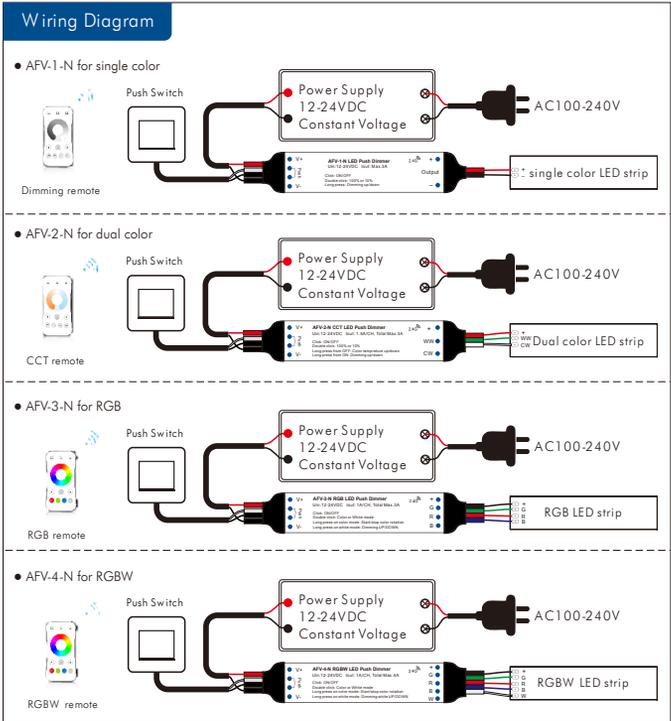
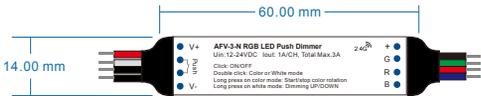
Features

- 1-4 channel constant voltage mini LED controller with push dimming function.
- Output connect with 5 meters LED strip, max output power 75W.
- Connect with external push switch to achieve on/ off and dimming function.
- Match with Alfaled's 2.4G single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- W hen using with RGB/ RGBW light, built in 10 dynamic mode, include jump or gradual change style.
- Synchronize on multiple number of controllers.

Technical Parameters

Input and Output		Dimming data	
Input voltage	12-24VDC	Input signal	RF 2.4GHz + Push Dim
Output voltage	12-24VDC	Control distance	30m
Output power	Max. 75W	Dimming level	4096 levels
Output type	Constant voltage	Dimming range	0 - 100%
Environment		Dimming curve	Logarithmic
Operation temperature	Ta: -30°C ~ +55°C	PW M Frequency	500Hz
Case temperature (Max.)	Tc: +85°C	Safety and EMC	
IP rating	IP20	EMC standard (EMC)	EN301 489, EN 62479
Warranty and Protection		Safety standard(LVD)	EN60950
Warranty	5 years	Radio Equipment(REd)	EN300 328
Protection	Reverse Polarity	Certification	CE, EMC, LVD, RED

Dimension



Push Dim

AFV-1-N	Click	ON/ OFF
	Double Click	Turn on at 100% or 10%(night light) and vice-versa
	Long press(>1s) from OFF	Dimming UP/ DOWN
	Long press(>1s) from ON	Dimming UP/ DOWN
AFV-2-N	Click	ON/ OFF
	Double Click	Turn on at 100% or 10%(night light) and vice-versa
	Long press(>1s) from OFF	Color temperature UP/ DOWN (turn off and turn on to return dimming)
	Long press(>1s) from ON	Dimming UP/ DOWN
AFV-3-N	Click	ON/ OFF
	Double Click	Change from color mode to white mode(RGB mixed) and vice-versa
	Long press(>1s) from OFF	If on color mode change rotation speed; If on white mode dimming UP/ DOWN
	Long press(>1s) from ON	If on color mode start/ stop color rotation; If on white mode dimming UP/ DOWN
AFV-4-N	Click	ON/ OFF
	Double Click	Change between color mode, white mode(W channel) and color+W mode
	Long press(>1s) from OFF	If on color mode change rotation speed; If on white mode or color+W mode, W dimming UP/ DOWN
	Long press(>1s) from ON	If on color mode start/ stop color rotation; If on white mode or color+W mode, W dimming UP/ DOWN

Color rotation: 

We can select 4 rotation speed:

10 fash/s means 6 seconds color rotation, 5 fash/s means 30 seconds color rotation,
2 fash/s means 1 minute color rotation, 1 fash/s means 6 minutes color rotation.

Match Remote Control

Use Power Restart

Match:

Switch off the power, then switch on power again, immediately short press on/ off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:

Switch off the power, then switch on power again, immediately short press on/ off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

Note:

Receiver placement may offer up to 30m communication distance. Metals and other metal materials will reduce the range. Strong signal sources such as WiFi routers and microwave ovens will affect the range.

We recommend for indoor applications that receiver placements should be no further apart than 15m.

RGB/RGBW Dynamic mode list

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

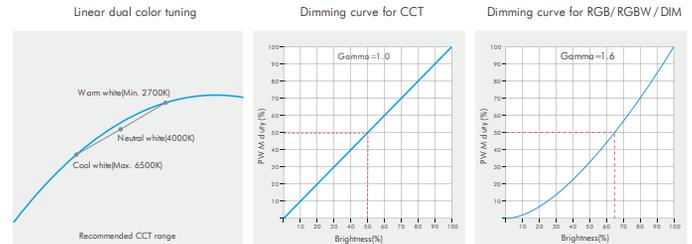
Dual color control

CH1 =Warm white LED

CH2 =Cool white LED

Each channel can supply up to 75W (@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	CH1 =0W, CH2 =75W	CH1 =37W, CH2 =37W	CH1 =75W, CH2 =0W



Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. W rong connection or insecure.	1. Check the power. 2. Check the connection.
W rong color	1. W rong connection of R/ G/ B/ W wires.	1. Reconnect R/ G/ B/ W wires.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.