

TRONIX

DMX512

213-300,213-301,213-302,213-303,213-304,213-305,
213-306,213-307

Wall Mounted Touch Panel



213-300



213-302



213-304



213-306



213-301



213-303



213-305



213-307

CE RoHS

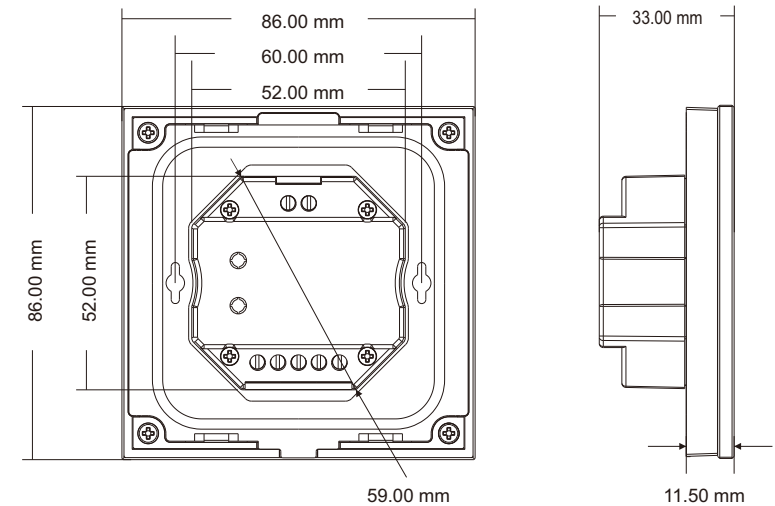
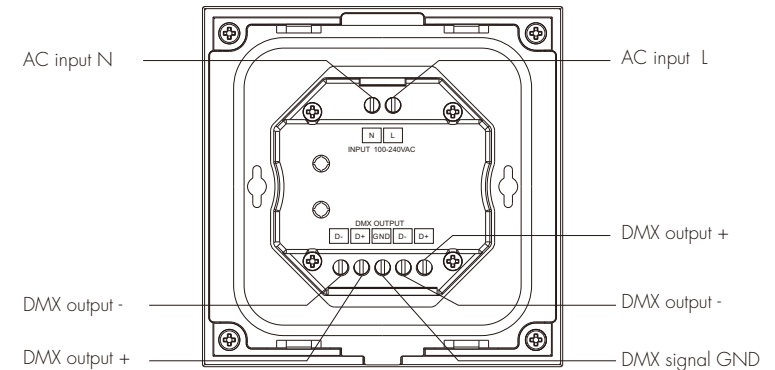
Features

- Touch panel 4 zone 1-4 color DMX512 master, can also be used as 4 zone 1-4 color RF remote.
- DMX signal output, comply to standard DMX512 protocol, compatible with DMX decoder from any supplier.
- When used as RF remote, each zone can remote control multiple RF 2.4G LED controllers.
- Ultra sensitive high strength glass touch panel with touch color wheel in the middle.
- Smooth and accurate color adjustment by touching the color wheel.
- Touch keys with LED indicator.
- White & Black glass panel available.

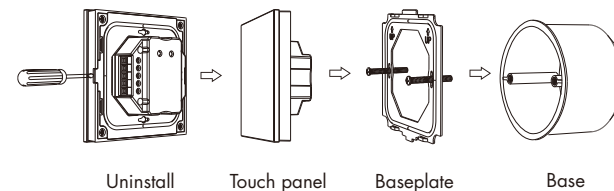
Technical Parameters

Model No.	213-300 213-301	213-302 213-303	213-304 213-305	213-306 213-307	Input and Output
Light type	Single color	Dual color	RGB	RGBW	Input voltage 100-240VAC
Output dmx channel number	4	8	12	16	Input current Max 0.1A
Safety and EMC					Output signal DMX512, RF 2.4GHz
Environment					Dimming Data
EMC standard	EN IEC 55015/ EN IEC 61547-1/-2 ETSI EN 301 489-1/-17	Operation temperature		Ta: -30°C ~ +55°C	Input signal Touch key, RF 2.4GHz
		Case temperature (Max.)		Tc: +65°C	RF Control distance 10m(Barrier-free space)
		IP rating		IP20	Dimming level 256 levels
Safety standard	EN 61347-1/-2	Package			Dimming range 0-100%
Radio equipment	ETSI EN 300 440	Size	L112 x W112 x H50mm		Warranty
Certification	CE RoHS	Gross weight	0.234kg		Warranty 5 years

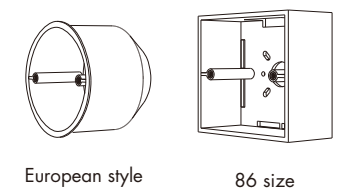
Mechanical Structures and Installations



Installation diagram:

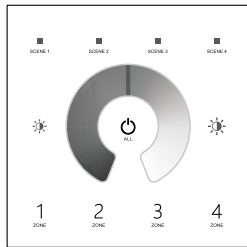


Typical base as below:



Key Function

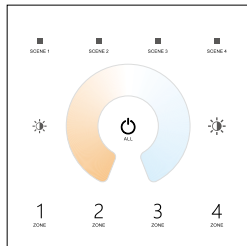
● 213-300/213-301 Single color panel



- Turn on/off all zone light.
- Brightness+, 10 levels.
- Brightness-, 10 levels.
- Brightness wheel.
- 4 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3/4.

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control separately or synchronously, each zone could control multiple receivers.

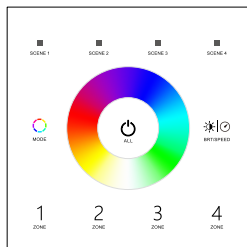
● 213-302/213-303 Dual color panel



- Turn on/off all zone light.
- Brightness+, 10 levels.
- Brightness-, 10 levels.
- Color temperature wheel.
- 4 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3/4.

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control separately or synchronously, each zone could control multiple receivers.

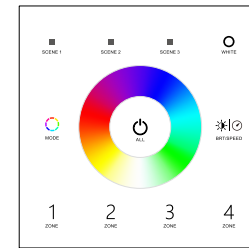
● 213-304/213-305 RGB panel



- Turn on/off all zone light.
- Color wheel.
- Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.
- Adjust dynamic mode speed or static color brightness, 10 levels.
- 4 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3/4.

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control separately or synchronously, each zone could control multiple receivers.

● 213-306/213-307 RGBW panel



- Turn on/off all zone light.
- Color wheel.
- Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.
- Adjust dynamic mode speed or static color brightness, 10 levels.
- Short press get white color, long press adjust white brightness.
- 3 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3.

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control separately or synchronously, each zone could control multiple receivers.

Turn on key tone: Long press power key for 5s when all zone light is off, will turn on or turn off key tone.

Scene locking:

- Scene keys can be set to locked state, cancel long press for 5 seconds to save the scene function (default scene is not locked).
- Short press the panel on/off key, turn on the light first, then turn off the light, immediately long press the panel on/off key for 5s, then immediately long press any one scene key for 5 seconds to set all scene keys to locked state.
- Short press the panel on/off key, turn on the light first, then turn off the light, immediately long press the panel on/off key for 5s, then immediately long press any one scene key for 10 seconds to restore all scene keys to unlocked state.

Touch Panel Work as DMX512 Master Match RF Remote

Touch panel 4 zone DMX512 master can also match with 4 zone RF remote (Optional).
End user can choose the suitable match/delete ways. Two options are offered for selection:

Use On/Off key

Match:
Turn on light, turn off, immediately press the On/Off key of the panel for 5s, then press any zone key of the RF remote within 5s.
The LED indicator fast flash 3 times means match is successful.

Delete:
Turn on light, turn off, immediately press the On/Off key of the panel for 10s to delete all match,
The LED indicator fast flash 6 times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power of the panel, then switch on power, repeat again.
Immediately short press any zone key 3 times on the remote.
The LED indicator fast flash 3 times means match is successful.

Delete:
Switch off the power of the panel, then switch on power, repeat again.
Immediately short press any zone key 5 times on the remote.
The LED indicator fast flash 6 times means all matched remotes were deleted.

Touch Panel Work as RF Remote

Touch panel 4 zone remote can match with RF controller for the corresponding light type.
End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

Match:
Short press match key, immediately press zone key of the touch panel.
The LED indicator fast flash a few times means match is successful.

Delete:
Press and hold match key for 5s to delete all match,
The LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power of the receiver, then switch on power, repeat again.
Immediately short press zone key 3 times on the touch panel.
The light blinks 3 times means match is successful.

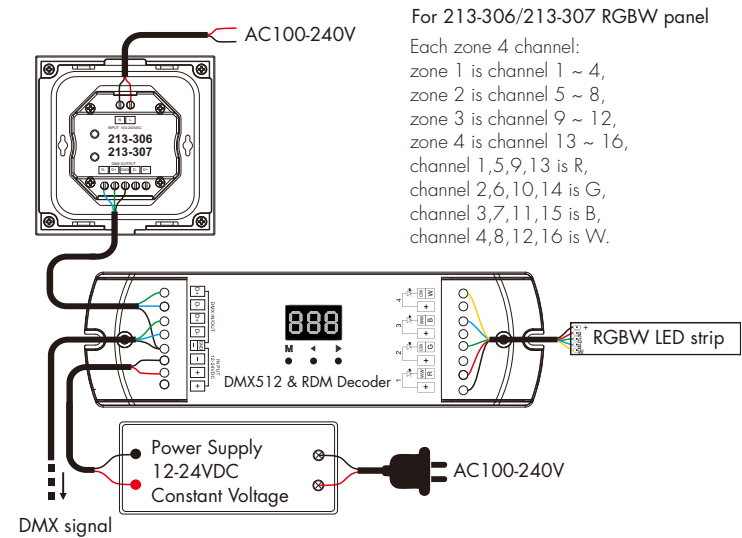
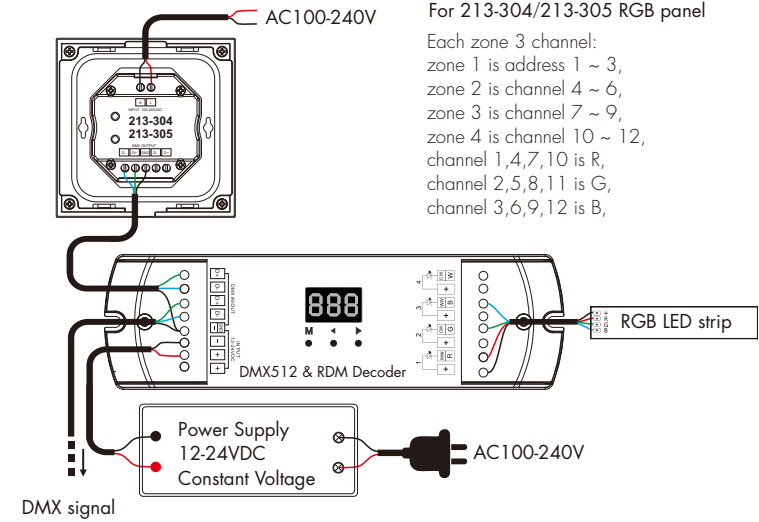
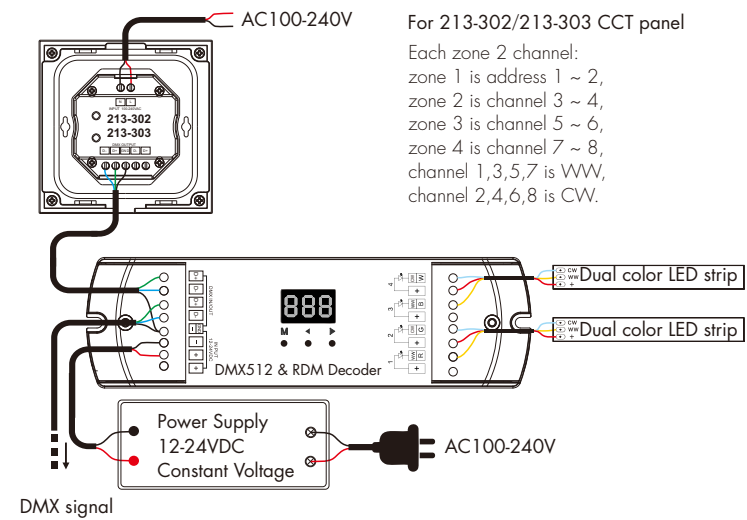
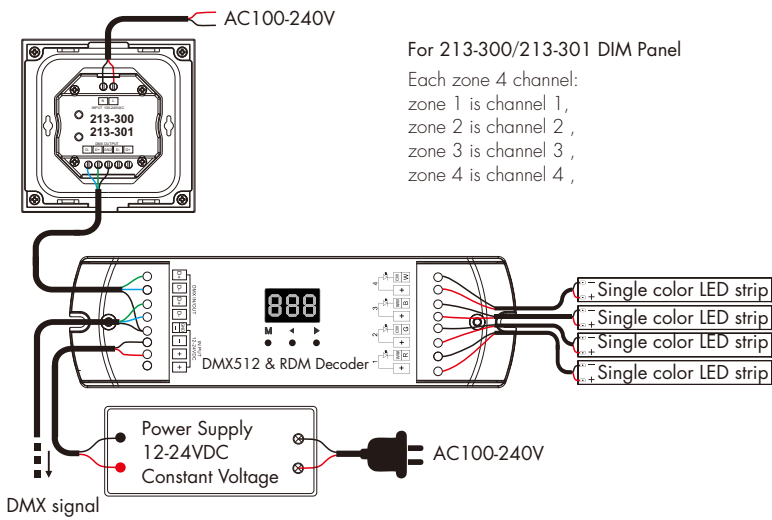
Delete:
Switch off the power of the receiver, then switch on power, repeat again.
Immediately short press zone key 5 times on the touch panel.
The light blinks 5 times means all matched remotes were deleted.

The Address Assignment of Touch Panel Work as DMX512 Master

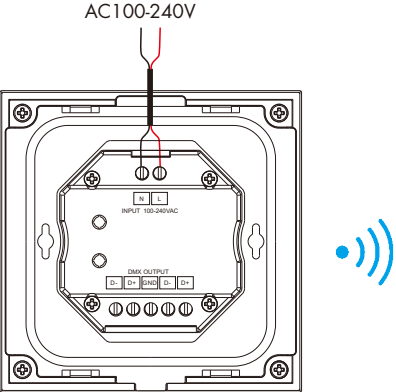
After connect with DMX decoders, please set the DMX decoders address as below:

Model No.	213-300/213-301	213-302/213-303		213-304/213-305			213-306/213-307			
		WW	CW	R	G	B	R	G	B	W
Zone 1 DMX decoder's address	1	1	2	1	2	3	1	2	3	4
Zone 2 DMX decoder's address	2	3	4	4	5	6	5	6	7	8
Zone 3 DMX decoder's address	3	5	6	7	8	9	9	10	11	12
Zone 4 DMX decoder's address	4	7	8	10	11	12	13	14	15	16

Wiring Diagram for Touch Panel Work as DMX512 Master



Wiring Diagram for Touch Panel Work as RF Remote



RGB/RGBW Dynamic Mode List (Only for 213-304 / 213-305 / 213-306 / 213-307)

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

Malfunctions Analysis & Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1.No power. 2.Wrong connection or insecure.	1.Check the power. 2.Check the connection.
Wrong color	1.DMX decoder first address error. 2.Wrong connection of output wires.	1.Check the DMX first address. 2.Reconnect output wires.