



8-Button UPB Tabletop Controller Model US28XTP

US28BTP-BK, US28OTP-BK, US28BTP-W & US28OTP-W



FUNCTION

The Tabletop Controller, model US28XTP, remotely controls the operation of Universal Powerline Bus (UPB) devices over the power wiring. Pressing buttons on the controller sends command signals to other UPB devices, such as lamp and appliance modules and UPB wall switches. Controllers and modules can be freely located anywhere in the home. No additional wiring is required and no radio frequency signals are used.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Keep away from water. If product comes into contact with water or other liquid, unplug immediately.
3. Never use products that have been dropped or damaged.
4. Do not use this product outdoors.
5. Do not use this product for other than its intended use.
6. To avoid risk of fire, burns, personal injury and electric shock, install this product out of reach of small children.
7. Do not cover the product with cloth, paper or any material when in use.
8. This product uses polarized plugs and sockets (one blade is wider than the other) as a feature to reduce the risk of electric shock. These plugs and sockets fit only one way. If they do not fit, contact a qualified technician. Do not use with an extension cord unless plugs can be fully inserted. Do not alter or replace plugs.
9. SAVE THESE INSTRUCTIONS.

INSTALLATION

The US28XTP Tabletop Controllers are designed for indoor use. Simply plug the controller into any 120-volt outlet anywhere in the home. Once configured, moving the controller to another outlet or a loss of power will not alter any configured functionality or device links.

CONFIGURATION

Configuration requires UPB setup/configuration software, called [UPStart](#), and a model [UMC](#) Computer Interface Module. Before using UPStart configuration software, be sure to download the latest version from the Simply Automated website.

The US28XTP are configured with factory default settings (see next page). In some cases, pre-configuration may have been performed by a dealer or distributor providing specific button functionality for scene-linked devices "out-of-the-box".

Initial configuration in UPStart includes: naming the room, naming the device and selecting the faceplate (model ZS28x). Once the device is added to the UPStart network the Options should be changed to enabling the US28XTP to transmit scene-links from every button position. Scene-links for each button are added via the Transmit Component table in UPStart or, once initial configuration is completed using UPStart, a manual configuration is available (see below).

The table below describes any pre-configuration that may have been performed to the Transmit Components on the US28XTP by your installer:

Button	Linked Device	Press	Function
#1		Once	
		Twice	
		Hold	
#2		Once	
		Twice	
		Hold	
#3		Once	
		Twice	
		Hold	
#4		Once	
		Twice	
		Hold	
#5		Once	
		Twice	
		Hold	
#6		Once	
		Twice	
		Hold	
#7		Once	
		Twice	
		Hold	
#8		Once	
		Twice	
		Hold	

Notes: Recommend 'Super Multi-Button Mode'; one button push is scene-link ON, two button pushes is scene-link OFF, press and hold dims scene-link up/down.

SETUP MODE

When configuring devices with UPStart, it is necessary to place the US28XTP in SETUP mode to initiate self-identification on the powerline. To place the US28XTP in SETUP mode, tap quickly any button 5 times consecutively. The LED indicator will continuously blink GREEN when the unit is in SETUP mode. Press any button 2 times consecutively to exit SETUP mode.

MANUAL SCENE CREATION & MODIFICATION

Once the US28XTP has been initially configured and the Option set to Transmit Enable for each button, it is possible to make scene changes without configuration software.

- To create a scene for one of the US28XTP actuators (e.g. button 1), set all scene devices to the desired light levels and then place them in SETUP mode. Tap the desired scene actuator button on the US28XTP exactly 7 times to create the scene and store the light levels.
- To add a device to an existing scene, activate the scene and set the light level on the device to be added. Place the device in SETUP mode and tap the scene actuator on the US28XTP exactly 7 times to modify the scene.
- To remove a device from an existing scene, place the device to be removed in SETUP mode. Tap the scene actuator on the US28XTP exactly 8 times to modify the scene.
- To change light levels on an existing scene, set the levels as desired and tap the scene actuator on the US28XTP exactly 7 times to modify the scene.

OPERATION

Unless otherwise configured, button actuators behave as follows:

Button Event	Super Toggler Action	
	...button will alternate between...	
Single-Tap	Brighten to 100% at Default Rate	Fade to 0% at Default Rate
Double-Tap	Snap to 100%	Snap to 0%
Hold	Start brightening to 100% at Default Rate	Start fading to 0% at Default Rate
Release	Stop brightening and hold current level	Stop fading and hold current level

The US28XTP is configured from the factory such that the actuator(s) function as transmitters to other UPB devices. See illustration at right for actuator numbering examples.



- When linking a US28XTP to a UPB Receptacle, Appliance Module or Fixture Relay Module, the pushbuttons must be configured to toggle the load ON and OFF, or single-tap ON and double-tap OFF.
- When linking the US28XTP to a UPB Lamp or Fixture Dimmer Module, the connected load can be controlled according to the table above, where pushbuttons are configured as "Super Toggler" in UPStart. **They may also be configured as "Super Multi-Button" which sets all single-taps to Activate, all double-taps to Deactivate. Hold and Release are as the table above.**

UPB FACTORY DEFAULT SETTINGS

To restore the following default settings, place the US28XTP in SETUP mode and tap any actuator exactly 10 times. The indicator will continuously blink BLUE. Tap the actuator twice again to exit SETUP mode.

Network Name	"Network 1"	
Room Name	"New Room Name"	
Device Name	"New US2-40"	
Unit ID	29	
Network ID	255	
Network Password	1234	
Button 1 Top	Transmit Link	241 (internal)
Button 2 Bottom	Transmit Link	241 (internal)
Button 3 Top	Transmit Link	11 (internal)
Button 4 Bottom	Transmit Link	241 (internal)
Buttons 5 & 6	Transmit Link	1
Buttons 7 & 8	Transmit Link	10
Receive Links	1 (ON), 2(OFF) and 241 (internal)	
Options	Transmit Disabled	Buttons 1-4
	Transmit Enabled	Buttons 5-8

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
US28XTP is plugged-in but has no power (e.g. LED is off).	Air gap power disconnect may be disengaged (pulled out).	Push light pipe (LED indicator) back into position flush with faceplate assembly housing.
Buttons stick or don't actuate properly when pressed.	Actuator faceplate may not be properly seated on the switch body.	Have a qualified electrician remove the cover, then remove and replace the faceplate, per model US2-40 user guide.