



CEA
Consumer Electronics Association

TechHome Symbols

For Blueprint Design and Technology Specification

TechHome Symbols offer a simple, yet powerful, way to communicate home technologies on architectural drawings. Standardized symbols allow architects, designers, builders, and electronic systems contractors (ESC) to share information, making home technology planning and design easy. Layouts designed with TechHome Symbols help minimize miscommunication among all parties involved by easily identifying the locations of installed technologies, whether they are equipment, devices, sensors, control interfaces or cabling.

Symbol Categories

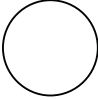

Symbols are divided into categories for easy use and communication; optional color coding is available.

- Communications Green
- Audio/Video Orange
- Lighting/Electrical Yellow
- HVAC Blue
- Home Control Purple
- Security Pink
- Vacuum Grey




Symbol Labeling

Generally, each symbol represents a single technology. When certain symbols appear in more than one category, text or color will clarify differences. Symbol labeling is optional unless needed to differentiate between subsystems or for further explanation. None of the symbol key graphics contain optional text labeling.

Optional Conventions

<i>Convention</i>	<i>Description</i>	<i>Icon</i>
Ceiling	Large circle, big enough to contain any of the symbols	
Floor	Large square, big enough to contain any of the symbols	

An optional set of convention icons allow you to indicate if the specific technology is wireless, mounted to, or located on, the ceiling, floor, wall, or tabletop.

<i>Convention</i>	<i>Description</i>	<i>Icon</i>
Wall	Vertical line, with a horizontal tail, placed at the side of a symbol	
Tabletop	Horizontal line, with a vertical tail, placed at the side of a symbol	
Wireless	Set of three concentric curves, at the symbol's top right corner	



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TechHome Symbols Key

Symbol	Symbol Name	Symbol	Symbol Name	Symbol	Symbol Name
Communications			Phone Port		Fiber Port
	Main Panel		Data Port		Bell / Buzzer
	Sub-panel		TV/Video Port		Intercom Station
	Wireless Access Point		2x2 Port		
Audio / Video			Speaker: Flush-mount		Antenna
	Main Head End		Speaker: Free-standing		Video Projector
	Secondary Head End		Speaker: Subwoofer		Projection Screen
	Audio / Video Input / Output		Video Display		Motorized Lift
Lighting / Electrical			Switch		Outlet
	Panel		Switch: Master		Outlet: Dedicated
	Sub-panel		Switch: Slave		Outlet: Isolated Ground
	Surge Protection		Switch: Dimmer		Outlet: Controlled
	UPS Power Backup		Switch: Occupancy Sensor (PIR)		Outlet: Half-switched
	Backup Generator				Outlet: Half-switched, Controlled
HVAC			Thermostat		Sensor
	Main Head End		Humidistat		Controlled Device
	Secondary Head End		Thermostat / Humidistat		
Home Control			Volume Control		IR Input
	Main Head End		Keypad		IR Output
	Secondary Head End		Touch Panel		Controlled Device
Security			Sensor		Smoke Detector
	Main Panel		Contact Sensor		Heat Detector
	Sub-panel		Motion Sensor		Carbon Monoxide Detector
	Camera		Perimeter Beam		Infrared Illuminator
	Security Monitor		Flow Detector		Access Control
Vacuum			Hose Inlet / Valve		Horn / Siren
	Vacuum Power Unit		Hose Inlet / Valve w/ Electric		Toe-Kick Inlet