

RadioRA² System Planning Worksheet

Complete a worksheet for each room where you would like RadioRA² controls. See instructions for assistance.

Notes - Print the last page for your worksheets. I recommend a minimum of two keypads per installation. You will want more if your goal is to end the Wall Acne in your home though and if you will ever want to add motorized shades to your installation. Always over keypad if you can budget that in.

Note: The In Wall Keypad requires a hot & neutral connection. This can also be placed in any 3 way location instead of a companion device. Enter **K** below in the Master Control Section & wallbox location (A, B, C, D, etc). Location must have a Neutral Common White Wire.

Note: The Hybrid Wall Keypad replaces any existing dimmer or switch so put **H** in the first column as it is a dimmer. Neutral is optional & not required. Great for Retrofits. Be advised **Hybrids do not play well with dimmable CFL or LED bulbs. I have had success with Cree Bulbs though. However, if you want to go all LED - I recommend you Use K & the LED Dimmer instead. RA2 Digital Companion devices are required to complete any 3,4,5+**

A Sketch room layout here with wallbox locations. Match to wallbox diagrams below.

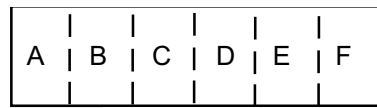
Print the last page for your worksheets.

Refer to this page for instructions

Keep in mind - Halogen Bulbs Offer the Best Ambiance!

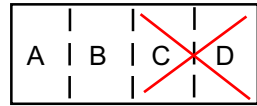
B Fill in a description of the lights controlled by each wallbox in your room. Check boxes at right to designate new controls desired.

Wallbox 1: Front Entry Near Door
Color: Gloss White Order Matching Wallplate? X Yes



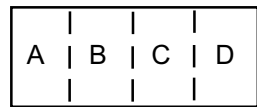
In First Column Enter
H for Hybrid keypad or **K** for keypad
D for Dimmer or **CL** for LED Dimmer
ELV for LED Dimmer Neutral Required
S for Switch or **DV** for No Neutral Switch
2ANF 4 Speed Fan Only No light kits
CD Companion Dimmer
CS companion Switch
SH for Shade or **M** Occupancy Sensor

Wallbox 2: Middle of Hall - near Kitchen
Color: Midnight Order Matching Wallplate? X Yes



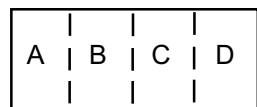
Wallbox Diagram

Wallbox 3: End of Hall - near Theater Room
Color: Midnight Order Matching Wallplate? X Yes



Wallbox Diagram

Wallbox 4: _____
Color: _____ Order Matching Wallplate? ___ Yes



Wallbox Diagram

Light to be controlled

- A Chandelier 700 watts No LED
- B Accent Light 200 watts No LED
- C Spot Lights 100 watts No LED
No Neutrals in this wall box
- D Hall Way 150 watts Maybe later LED
- E Porch 75 watts Maybe later LED
- F Exterior Landscape lights 675 watts
No LED - switch

Light to be controlled

- A Hall Way 150 watts Maybe later LED
- B Closet Light 50 watts Maybe later LED
- C _____
- D _____

Light to be controlled

- A Hall Way 150 watts Maybe later LED
- B Hall & Theater Keypad - Need shade control for
Hallway Floor to Ceiling Windows
- C _____
- D _____

Light to be controlled

- A _____
- B _____
- C _____
- D _____

Total for this room

RadioRA Wall Dimmers/Switches
3-Way Reference
Non-System Dimmers/Switches
Would you like to add a Master Control to this wallbox?

D					
H					
D					
CD	1D				
CL					
DV					
CL + M	1D				
		X + M			
CD	1D				
K					

Please note if you want to use dimmable LED/CFL bulbs (requires Neutral). I can do non-dim control without a neutral.

PLEASE NOTE circuit wattage next to the light circuit - if over 150, 300, 450, 600, 800 Watts or over 1000 Watts. Total Wattage is very IMPORTANT to determine correct device loads!

See directions on next page for 3 way reference directions - Section B, #3 Please note in the first column if you want to use a CD for companion dimmer or CS for companion switch or P for Pico remote control to be wall mounted for wireless 3 way switch - useful in creating 3, 4, 5+ way circuits where none currently exist (or CDP/CDS for both).

I hate to make this complicated but I am seeing more 5 & 6+ way circuits now. So if you have a lot of 3,4,5+ way circuits - meaning 1 light switch is controlled from multiple locations - Please pick the Wallbox & Light you want the RA2 device installed in & then add that circled to your 3 way Reference in the 2nd column (1A) & also where the other circuit locations are.

For example - you want your RA2 dimmer in Wallbox 1, Light A and you have 4 other locations that will turn on that light. Just enter (1A) in those other wallboxes. If these locations are in other rooms - please add 1A & the Page # - 1A1.

- Hybrid Keypad
- D
- LED
- S
- Pico
- CD
- CS
- 2ANF
- Shade
- WH
- SW
- BL
- MD

C Include Appliance Modules, Lamp Dimmer (3PD goes under furniture) & Tabletop Controllers, if needed for this room.

Circle 3PD, 3LD, APP or Tabletop Controller TTs & Enter Color +Location

3PD 3LD APP TT _____ 3PD 3LD APP TT _____

3PD 3LD APP TT _____ 3PD 3LD APP TT _____

Please specify color for Lamp & Tabletop controls - SW Snow White or MD Midnight Black



RadioRA² System Planning Worksheet Instructions

A Sketch the rough layout of your room in the box at the top left of the page. Mark the locations of each of your existing wallboxes (light switch locations).

B 1. Starting with the largest wallbox in your room, fill in a description of each wallbox. Mark your sketch with the matching number for each wallbox. Shade out extra switch locations in the wallbox diagrams so they match your wallboxes.

2. Fill in a description of the lights controlled by each switch or dimmer in the wallbox.

3. For each existing switch or dimmer that you would like to include in your RadioRA² system, place a mark in the RadioRA Wall Dimmers/Switches column. If that light is controlled from more than one switch location, even in more than one room, place a letter in the 3-Way Reference column. Place the same letter in the 3-Way Reference column for the other switch locations which control that light. Use consecutive letters to mark other multi-location groups. In each multi-location group, circle one letter. To avoid confusion, do this at the wallbox location closest to the light it controls.

4. Place a mark in the Non-System Dimmers/Switches column for any dimmers or switches that will not be controlled by the RadioRA system.

5. Place a mark in the box at the far right if you would like to add a Wall-Mounted Master Control to this wallbox location.

6. Add up the number of RadioRA Wall Dimmers/Switches needed by counting all marks in the RadioRA Dimmers/Switches column that have NO 3-Way Reference letters beside them, as well as all marks that have a CIRCLED letter beside them (see step B3). This is the number of RadioRA Dimmers/Switches you need. Now add up all the letters in the 3-Way Reference column that are NOT circled. This is the number of Accessory Dimmers you need. Add up the number of Wall-Mounted Master Controls you would like.

C Write in table or floor lamps in this room that you would like to include in your RadioRA system. Also note locations where you would like to have a Tabletop Master Control in this room.

D Complete a worksheet for each room or area in your home. Use the 3-Way References to keep track of lights controlled from multiple rooms. After completing the worksheets, you will have a good estimate of the total number of components you will need to control your home with RadioRA². Take these worksheets to a RadioRA² Reseller to learn about additional features, as well as information on system purchase, installation, and setup.

* 3 Way
Reference
Directions

Feel free to email me anytime at teresa@t-crealty.com Text or call my Cell at 541-331-3421 Confused? I so understand. No worries just text me photos of your wall boxes. Fax Toll Free Fax to 855-331-3421



