

# Alicante

classic, comfortable, modern  
in Bankers Hill

Homeowner Maintenance  
Recommendations

# Owner Maintenance Committee

## Bulletins Available Online

---

### Owners, look here:

[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

### Owners/Renters, look here:

[www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins

---

### Savings

- HVAC System Checkup
- CFL / LED Light Bulbs
- Electricity Saving Suggestions
- Programmable Thermostats
- Water Saving Suggestions
- Washing with Soft Water

### Replacement Suggestions

- Garbage Disposals
- HVAC Filters
- Kitchen/Bar Bracket Cover
- Shower/Tub Cartridges
- Smoke Detector Batteries
- Smoke Detector
- Toilet Flapper Valve
- Clothes Washer
- Secondary Dryer Lint Filter
- Washing Machine Hose
- Showerhead †
- LED's for Bathroom Recessed Cans
- LED's for Kitchen Recessed Cans

### Risk Reduction

- Only Flush Toilet Paper
- Close Water Valves - Long Absences
- Garbage Disposal Care
- Fire Sprinklers
- Unattended Appliances
- Fire Safety

### Cleaning Guidelines

- Dishwasher Filters
- Dryer Ducts
- Dryer Filters
- Patios
- Sink Drains
- Smoke Detectors
- Refrigerator Coils

### Technology Tips

- Off-Air TV (Building Antenna) System
- Broadcast TV
- Streaming TV (Netflix, Hulu, etc.)
- Landline Options
- Internet/Landline/TV Bundles

We hope you find the bulletins helpful!

# Savings

# Keep Your Cool and Save \$\$\$

## *Get HVAC Checkup!*



Maintaining the Heating, Ventilation & AC (HVAC) Unit will keep you comfortable and save money.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

## Background

The air conditioners in Alicante are technically called “water source heat pumps”. In this type of system, a water loop connects the cooling tower and boilers at the top of the building with all of the heat pumps located in condos and common areas throughout Alicante.

**To Cool:** The heat pump moves heat from a room’s air to the water loop. The cooling tower moves excess heat from the water loop to the outdoors.

**To Heat:** The heat pump moves heat from the water loop to a room’s air. The boilers at the top of the building reheat the water in the loop.

## Service/Check-up

To keep your HVAC unit working properly and efficiently, check/service it regularly.

**Higher frequency:** Residents who use their AC a lot (e.g.; sunny south-facing condos) and/or whose pets’ hair may get caught in the filter.

**Lower frequency:** Residents who use their AC less (e.g.; north-facing condos with low solar heating).

**Change the HVAC filter.** (See separate bulletin: **Alicante OMC – HVAC Filters**). Note: Failure to replace the filter regularly can have negative results:

- A clogged filter reduces the HVAC’s ability to heat/cool, adding to its cost of operation.
- Materials from a clogged filter can fall into the condensation pan, clogging its water drain tube, causing the HVAC to shut off. A service call is needed to restore HVAC operation.

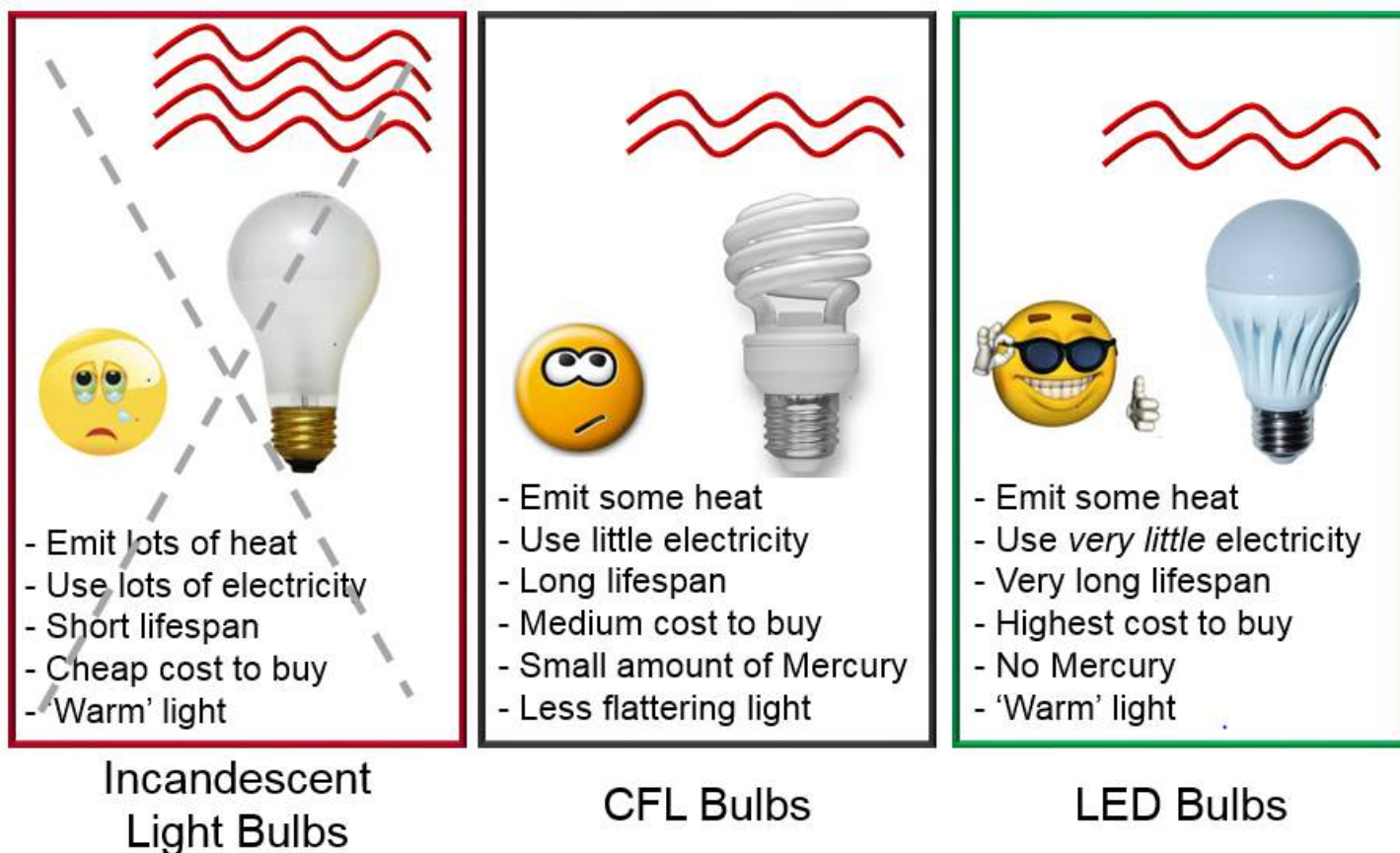
**Have the HVAC unit inspected for proper operation.** A service call typically includes the inspection of the coil, the filter, the condensation pan and drain tube, refrigerant pressures, temperature sensors and water valve operation. Water accumulation in the condensation pan has been an issue for some HVAC units – see above.

## Vendors

Since Alicante’s HVAC system is specialized to newer high-rises, ensure you contact an experienced vendor. You may want to contact one of these who is familiar with Alicante:

<b>California Comfort Systems USA</b>	(858) 564-1100	<a href="http://www.calcsusa.com">http://www.calcsusa.com</a>
<b>Countywide Mechanical Systems</b>	(619) 449-9900	<a href="http://countywidems.com">http://countywidems.com</a>
<b>Hurn Mechanical</b>	(619) 312-1924	<a href="http://www.hurnmechanical.com">http://www.hurnmechanical.com</a>
<b>SDAir</b>	(619) 446-6403	<a href="http://www.sdair.com">http://www.sdair.com</a>

## Want to Keep the Lights On? You'll Need to Choose Your Bulb Type!



Incandescent light bulbs are being phased out due to *very low efficiency* at turning electricity into light. Replacement types last far longer, and use far less electricity – saving \$ over time.

- **Compact Fluorescent Light (CFL) Bulbs**
- **Light Emitting Diode (LED) Bulbs**

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins

[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins

Incandescent light bulbs are being phased out since alternate lighting technologies use *far less* energy, saving users' money and reducing greenhouse gas emissions by utility companies.

Alternate bulb types use different technologies:

- Compact Fluorescent Light (CFL) bulbs
- Light Emitting Diode (LED) bulbs

To help you decide which type is best for you, articles:

- CFL vs. LED bulbs - [here](#)
- A comparison of LED bulb brands - [here](#)

When choosing a bulb type, the color of its light is a key consideration: Many people prefer the warm white/yellow light of incandescent bulbs. If that's you, look for bulbs with a **2700K color temperature**. For example, GE Reveal LED bulbs emit light at 2700K color temperature and are getting good reviews (read [here](#)).



If you prefer a whiter light, look for bulbs that have a higher color temperature: 3000K <-> 5000K. More info [here](#). However, note: The light emitted by some bulbs with high color temperatures (3000K <-> 5000K) may have a bluish cast. You may want to explore the bulb type demo booth at a home center.

While CFL and LED bulbs cost more than incandescent bulbs to purchase, CFLs and LEDs use *far less* electricity and last *far longer*. In fact, some bulb manufacturers give a 10 year bulb warranty. You may want to consider this when deciding which brand to buy.

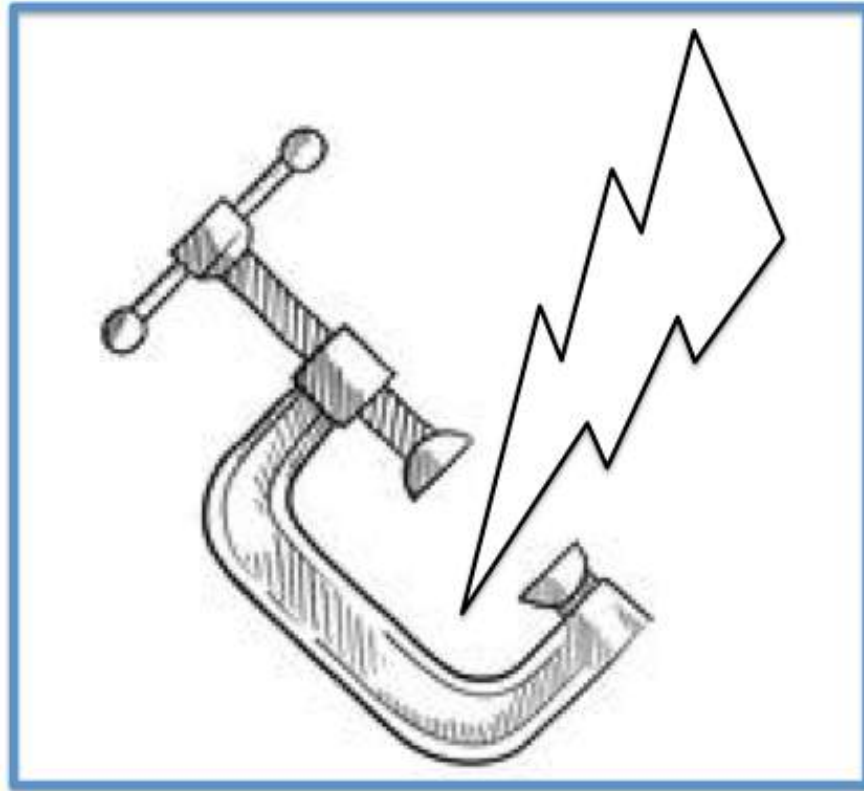
Overall, using CFL and LED bulbs leads to *appreciable savings in the long run*.

CFL and LED bulbs are available from Home Depot, Lowes, Amazon, etc.

Lastly, if you're unsure if LEDs are worth the money, consider that cities across the US are switching street lamps to LED bulbs (Look [here](#) and [here](#)) due to the long-run savings they provide.



# Put a Clamp on Your SDG&E Bill!



**The following may help you reduce electricity use and your SDG&E bill:**

## **Laundry**

- Keep clothes dryer lint filter & secondary lint filter clean (separate bulletin).
- Clean & inspect dryer exhaust system regularly (separate bulletin).
- Install front-load washing machine when replacing washer-dryer. Front-load washers are best at water extraction, lessening need to run electric clothes dryer.
- Avoid over-drying your clothes. It wastes energy, plus causes static and wrinkling.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins

[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

### **Refrigerator/Freezer**

- Remove dust/lint from refrigerator grill at front bottom edge, and back. Refrigerator/Freezer units typically have wheels - roll forward.
- Per FDA, ensure refrigerator temperature set at or below 40° F (4° C).
- Per FDA, ensure freezer temperature set at 0° F (-18° C).

### **Heat/AC**

- Replace heat/AC air filter regularly (separate bulletin).
- Use programmable thermostat to control heat/AC (separate bulletin).
- Close blinds/drapes to limit solar heating during summer.
- Leave windows slightly open to reduce heating during the day.
- In summer, run clothes dryer or dishwasher when windows are open. Breezes carry the warm moist air from the washer/dishwasher to the outdoors, instead of AC system.
- When AC is in use, grill instead of using the oven. Cooking adds heat to the condo.
- Install/use ceiling fans instead of AC.

### **Lighting**

- Use LED or CFL light bulbs (separate bulletin).
- Use timers to control lights.

### **Appliances**

- Use microwaves /toaster ovens to cook or warm leftovers.
- Unplug unused “always-on” devices (FAX, game console, etc.).
- DVRs can use as much electricity as a refrigerator - return if not using.
- Plug devices (FAX, computer printer, Wi-Fi, phone chargers, etc.) into a power strip attached to a timer that is set to turn off when you’re regularly away – at work, etc.
- Buy ENERGY STAR-qualified TVs – they’re up to 30 percent more efficient than noncertified models.
- Consider a laptop next time you're looking to buy a computer – they use less energy than desktop computers.
- Set your computer to sleep or hibernate mode instead of using a screen saver so it uses less electricity during periods of inactivity.

# Programmable Thermostats - Comfort & Savings!



Every Alicante condo has at least 1 programmable thermostat\* to control the HVAC system. Proper use of programmable thermostats results in a comfortable environment and can save ~\$180 each year\*\*. Of course, given San Diego's benign climate, maximum savings may occur from minimal use of your HVAC system – windows open!

Instead of maintaining one temperature throughout the day, or throughout the week, programmable thermostats save energy by maintaining different temperatures at different times. For example, when people are typically away (at work/school) the inside temperature can be lower (winter) or higher (summer) than would be comfortable when residents are home. Or, when people are sleeping, the inside temperature can be lower (winter) than when people are moving about the house. The temperatures that the thermostat maintains at different times are called "set-points". Examples of **set-points** are below: First table for **winter** and second for **summer**. **Blue highlight** shows energy savings set-points.

Time	Mon, Tue, Wed, Thurs, Fri	Sat, Sun
10 PM – 6 AM	60° F (sleeping)	60° F (sleeping)
6 AM – 7 AM	70° F (morning prep)	70° F (at home)
7 AM – 5 PM	60° F (at work)	70° F (at home)
5 PM – 10 PM	70° F (at home)	70° F (at home)

Time	Mon, Tue, Wed, Thurs, Fri	Sat, Sun
10 PM – 6 AM	77° F (sleeping)	77° F (sleeping)
6 AM – 7 AM	77° F (morning prep)	77° F (at home)
7 AM – 5 PM	84° F (at work)	77° F (at home)
5 PM – 10 PM	77° F (at home)	77° F (at home)

### Rules of Thumb for Proper Use:

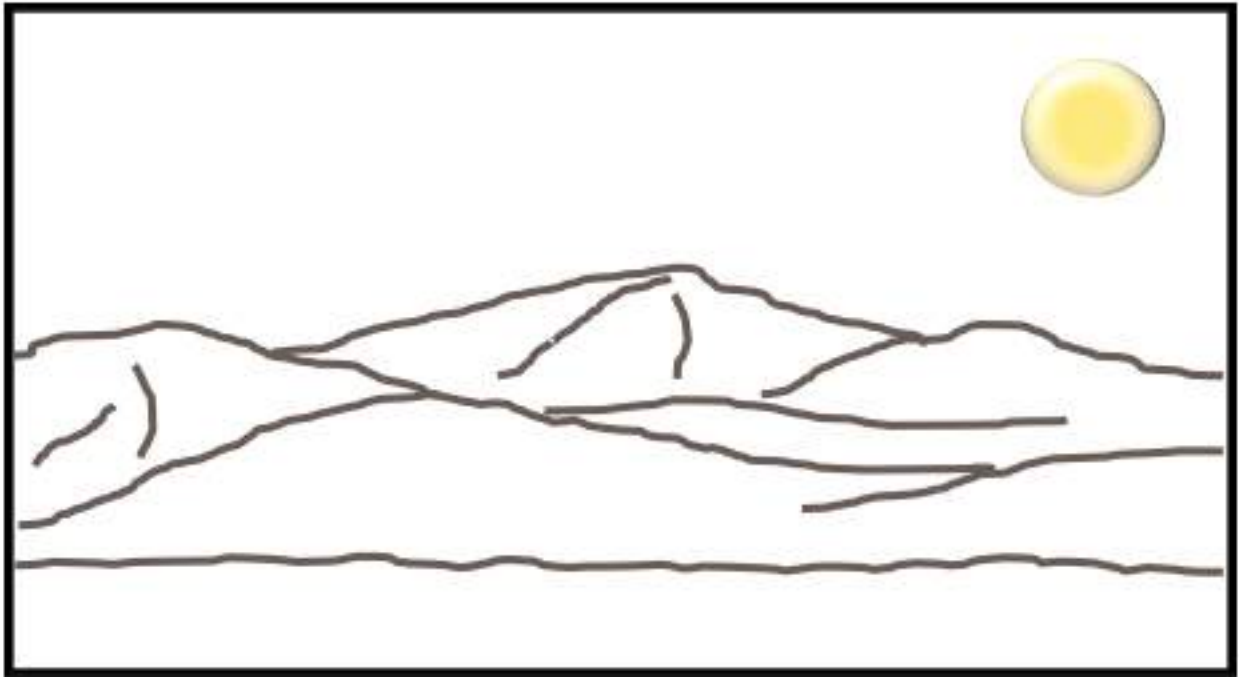
1. Keep the thermostat set at **energy savings set-points** for at least eight hours, for example, when no one is home, and at night, after bedtime.
2. All thermostats let you temporarily make an area warmer or cooler, without erasing the programmed set-points. This override is cancelled automatically at the next program period. You pay more on energy bills if you over-ride the pre-programmed set-points.
3. Thermostats typically have two types of hold features: (a) hold/permanent/vacation; (b) temporary. Avoid using the hold/permanent/vacation feature to manage day-to-day temperature. “Hold” or “vacation” features are best used for extended periods. Set this feature at a constant temperature (i.e. several degrees warmer in summer, several degrees cooler in winter) when going away for the weekend or longer. You'll waste energy and money if you leave the “hold” feature at the comfort setting while you're away.
4. Cranking the thermostat up to 90°F or down to 40°F, for example, won't heat or cool any faster. Most thermostats begin to heat or cool at a set time, to reach set-point temperatures sometime thereafter. Units with adaptive (smart/intelligent) recovery features are an exception: These units calculate the time required to heat or cool the house, so that it reaches the set-point at the time programmed by the owner. In this way, your condo is comfortable when occupied, but saving the most energy when unoccupied.
5. If your condo has multiple heating or cooling zones, you'll need to program the thermostat for each zone to maximize comfort, convenience and energy savings throughout the condo.
6. If your thermostat runs on batteries, change the batteries each year.

\* Owner's manual for Venstar Model T1050 (shown above, typical for Alicante) online:

<http://www.venstar.com/Thermostats/SmallR/>

\*\* [https://www.energystar.gov/index.cfm?c=thermostats.pr\\_thermostats\\_guidelines](https://www.energystar.gov/index.cfm?c=thermostats.pr_thermostats_guidelines)

## San Diego is a Desert by the Sea Every Drop of Water Matters!



**Throughout the day, there are ways to save water...**

- **Bathing**
- **Dishwashing**
- **Clothes washing**
- **Repairing leaks**

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

Some reminders to help us all save water:

**In The Bathroom**

- Showers of 5 minutes or less using a low-flow showerhead save 75 gallons per week per person
- Turning the water off while lathering-up in the shower saves 75 gallons per week per person
- Flushing the toilet only when necessary saves 150 gallons per week

**In The Kitchen**

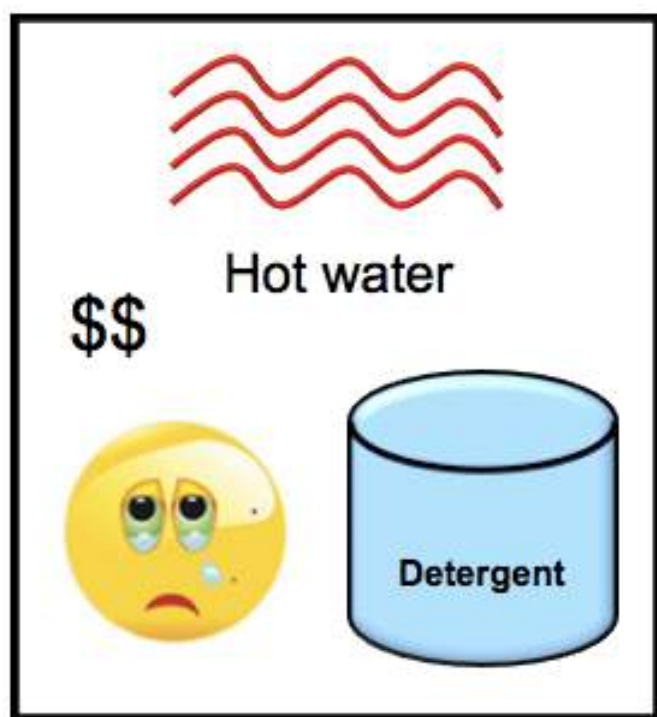
- Running a dishwasher only when full saves 30 gallons per week
- Scraping food scraps off dishes into the garbage instead of rinsing saves 60 gallons a week

**Around the House**

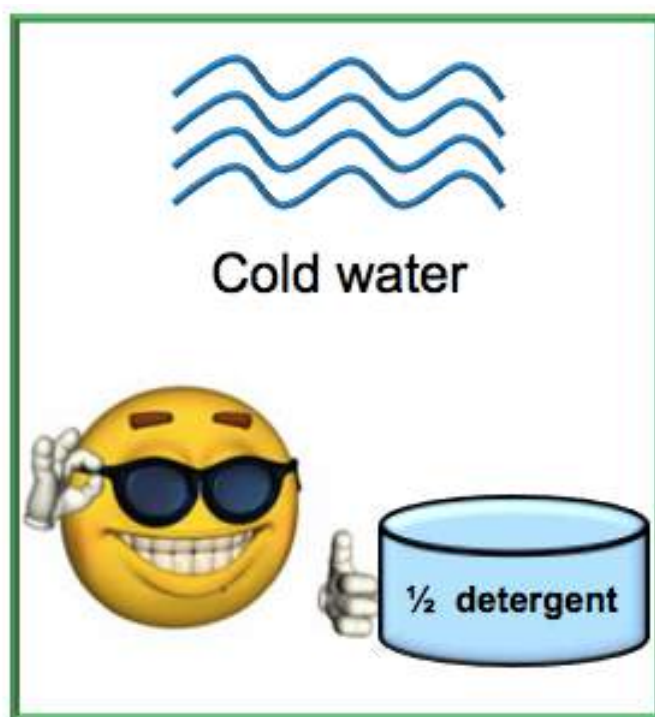
- Repairing all leaky faucets, fixtures or toilets saves 150 gallons a week per leak
- Running a clothes washer only when full saves 100 gallons per week

# Soft Water Washing

## Get Clean, Save \$!



Hard Water  
Clothes Washing



Soft Water  
Clothes Washing

- Clothes washing with cold soft water → effectively cleans!
- Clothes/dish washing with soft water → Use 50% less detergent!

San Diego water contains minerals (metal ions). This hard water causes a variety of problems: reduced soap effectiveness (leading to more soap being used), the fouling of plumbing with lime scale, and galvanic corrosion.

To mitigate the effects of hard water, Alicante activated its soft water system – on hot and cold water supplies – in 2012.

Soft water helps Alicante's water heaters and owners' appliances operate as efficiently as possible, while preventing clogs in showerheads, faucets, and drains and soap scum build-up in pipes.

Benefits of using soft water compared to hard water:

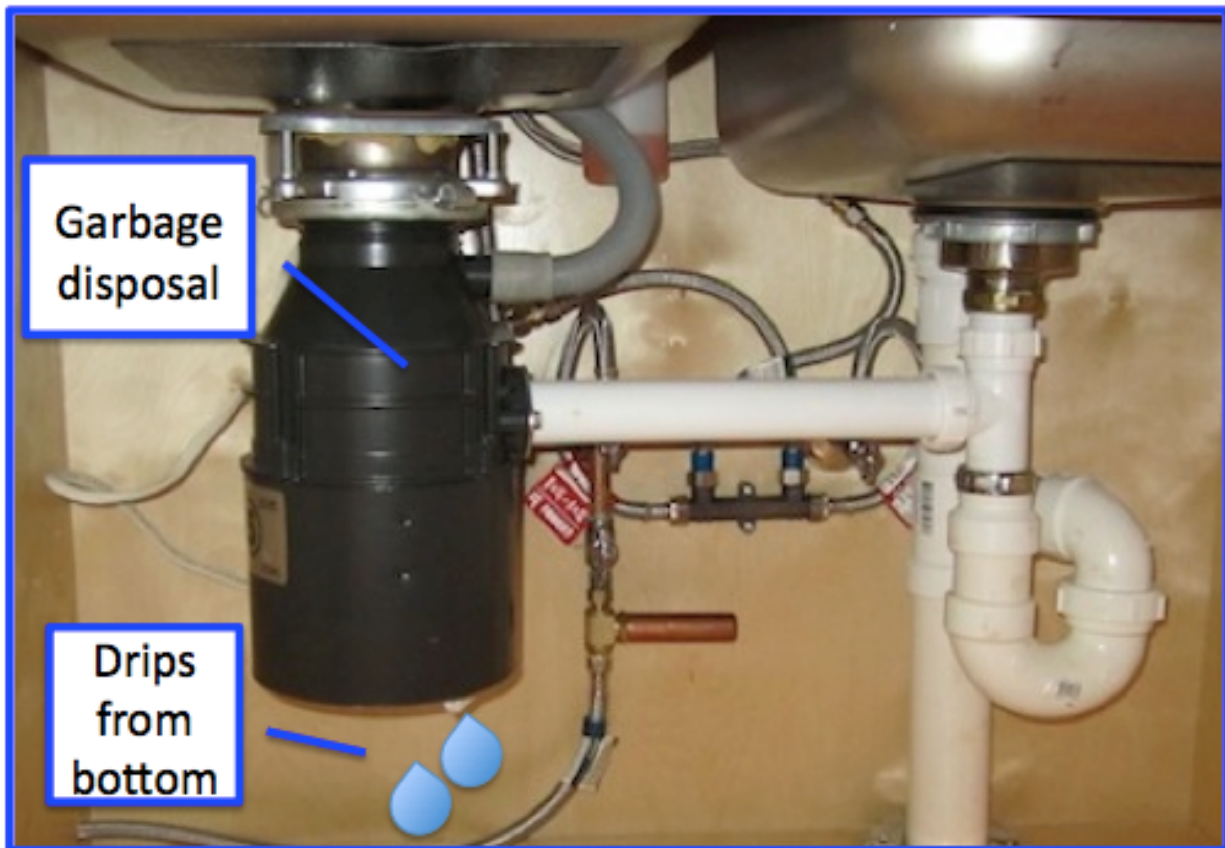
- **Washing machines**
  - Detergent reduced by 50%
  - Energy reduced: Cold water (60°F) washes are the same or better at removing stains and whitening fabrics as hot (120°F) water washes.
  - Reduced maintenance attributable to hard water deposits
- **Dishwashers**
  - Detergent reduced by 50%
  - Soft water achieves same cleaning results as hard water
  - Reduced maintenance attributable to hard water deposits



# Replacement Information

Drip...Drip....**Puddle...**

## Replace leaking Garbage Disposal!



- Garbage disposals originally installed in Alicante are ~9 years old – have reached their service life.
- A rusted-through disposal will drip water
- Plumber or appliance repair person to replace.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins

You may purchase a replacement garbage disposal from Lowes, Home Depot or other home center. Below prices are for *illustration only*: They clarify the relative cost of three replacement options suggested by a local plumbing service.

Garbage Disposal Model	Description	Warranty	Life Expectancy	Cost	Power Cord Kit
Insikerator Badger 1 1/3 HP – metal grinding parts	Builder’s Initial Installation	2 years	2-5 years	\$74.96	\$11.99
Insikerator Badger 500 1/2 HP – metal grinding parts	Basic upgrade	2 years	2-5 years	\$99.96	\$11.99
Insikerator Evolution Select 5/8 HP – stainless steel grinding parts	Recommended upgrade	4 years	5 years	\$179.00	\$11.99

For garbage disposal replacement, call any licensed plumber familiar with working in a high-rise building.

High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

## Help Your HVAC System Run Like a Champ - Replace Filters!



**Fiberglass  
Filter**



**Pleated  
Filter**

### Regular HVAC Filter Replacement...

- **Helps system operate effectively**
- **Saves electricity**
- **Reduces airborne irritants – dust, etc.**

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

To keep your HVAC system performing at its best, replace its filter at a frequency appropriate to its use. If the HVAC system is used regularly, most experts recommend replacing the filter at least every 3 months. Factors that may increase your filter replacement frequency include:

- Units with multiple occupants vs. single occupant
- Units with pets
- Units where resident smokes
- Units where occupants experience allergies

Replacement filters come in two general types: Fiberglass and pleated. Fiberglass filters are cheaper, while pleated filters provide superior filtering action.

Filter effectiveness is rated using the term “MERV” (minimum efficiency reporting value). Filters with higher MERV values filter better than those with low values.

Standard size replacement filters are available from home supply stores. For custom size replacement filters, residents may want to purchase from one of the following:

- Local supplier: ENE Controls Distribution  
3285 MARKET STREET, SAN DIEGO, CA 92102  
619-779-1686  
Online: <http://enecontrolsdistribution.com/contact.html>
- Online suppliers: [www.filters-now.com](http://www.filters-now.com)  
[www.airfiltersdelivered.com](http://www.airfiltersdelivered.com)  
[www.thefilterstore.com](http://www.thefilterstore.com)  
[www.airfiltersusa.com](http://www.airfiltersusa.com)

## Need Replacement Cover for Bar Bracket?



The brackets that support Alicante bars/counters have plastic covers. Over time, the covers may break or need replacing.

The brackets and their covers are made by Knap & Vogt. The part number for a pair of brackets + white plastic covers is 216P WH 8.

The Owners Maintenance Committee could not find a way to order just a plastic cover. However, it is possible to order a pair of brackets and covers from the manufacturer's website: <https://www.knapandvogt.com/content/216p-wh-8>.

At the time of the bulletin's writing, the cost for a pair of brackets and white plastic covers was ~ \$35, including tax and shipping.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

## Bath or Shower Valve Misbehaving?

### This Info May Help Sort Things Out!

In Alicante, a single valve assembly controls the flow of water to tubs or showers. As the handle is rotated, the single valve controls the water temperature and flow rate going to the showerhead or bathtub spout.



A Balancing Cartridge (fits inside the Valve Assembly) enables a single handle to control the water flow.

If you are experiencing any of the below, call a plumber to address:

1. **Steadily dripping water when handle is in “off” position?** This may mean the Balancing Cartridge or the Balancing Cartridge O-rings need to be replaced.
2. **Handle has become difficult to turn?** This likely means the Balancing Cartridge has become fouled with silt carried in the water supply. It may need to be rinsed or replaced.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

3. **Hot water is not hot enough?** It may be possible to increase the maximum temperature of the water flowing to the shower/tub by adjusting the Valve Assembly's Temperature Stop.

To address any of the above, the water supply to the condo will need to be turned off. For this reason and due to the risk of flood, call a plumber to address any of these. Given the unique characteristics of high-rise plumbing, the OMC recommends you use a qualified plumber familiar with the plumbing systems in Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)



## Smoke Detector Making a Fuss?

*Chirp.....Chirp...!*

It May Need a New Battery!



**Many detectors chirp when the battery needs to be replaced.**

- Replace old battery with new – typically 9 volt battery
- If problem persists, replace detector.
- See detector manufacturer's information/website for more details.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

## Smoke Detector Replacement

Alicante condo units typically have several smoke detectors, in various rooms.

The smoke detector model originally installed in Alicante condos has been discontinued. However, the manufacturer, USI Electric, has a replacement model. At the time this bulletin was written, the price was ~ \$20/each:

**USI Electric Hardwired Ionization  
Smoke and  
Fire Alarm with Battery Backup  
(5304)**



The replacement smoke detector is available from various home improvement stores. This replacement smoke detector uses the same installation back-plate and wiring connector as the original smoke detector. This should ease replacement.

If you need assistance replacing a smoke detector, you may want to choose one of the following:

- Sommer Electric 760-315-2226
- Service Electric 760-291-1302

# Drip...Drip....**Drip!**

## Replace leaking toilet flappers!



**Remove Leaky  
Flapper**



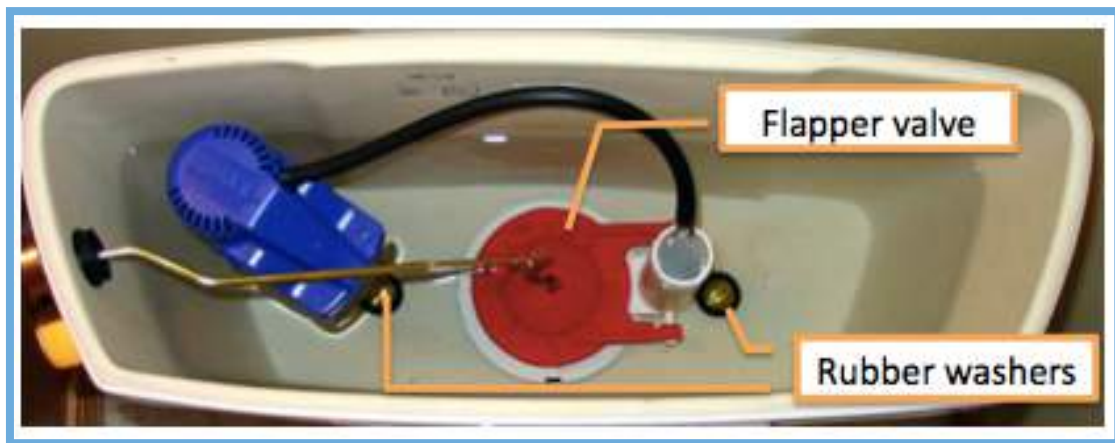
**Buy/Install  
Replacement**

**Recommended: Korky® Plus™ Adjustable Flapper**  
Part Number: 2004BP (or equivalent) from Home Depot, Lowes, etc.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

In any building, toilets in need of repair are a typical source of water leaks. If your toilet is filling between flushes, water is leaking from the toilet tank into the toilet bowl:

- Flapper valve is leaking (likely)
- Rubber washers are leaking (less likely)



Alicante's original American Standard toilets have two-mode flushing to facilitate water saving:

- Quick press toilet handle → Minimum flush (water saving flush)
- Press & hold toilet handle → Maximum flush

Recommended replacement toilet flapper valve supports two-mode flushing:

- Korky® Plus™ Adjustable Flapper Part Number: 2004BP  
(<http://www.korky.com/index.php?p=Product&i=711#.VCDcf75qfRc>)
- Home Depot, Lowes, Amazon, etc.

## Steps to replace toilet flapper valve

1. Follow steps in this video to remove old flapper & install replacement flapper valve:  
<https://www.youtube.com/watch?v=3W3u2O1dZws>
2. Adjust float up/down on flapper lift chain to enable two-mode flushing:
  - a. If float is too high, Quick-flush will be too short → Move float down
  - b. If the float is too low, the flapper will stay open too long, giving a double-flush (water wasting) → Move float up
3. For additional information see: <http://www.korky.com/PDF/instructions/2004BP.pdf>
4. **Call a plumber\* if you are not comfortable with replacing these items.**

## Steps to replace the rubber washers:

1. Follow the steps in this video: <https://www.youtube.com/watch?v=hUI3duqRUkw>
2. **Call a plumber\* if you are not comfortable with replacing these items.**

\* High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

# Be clean *and* water-wi\$e! Choose **Front Load** when replacing Washers!



Alicante spends ~ \$50,000/yr on water!



All water used by Alicante's condos and common areas is measured with a single meter, and paid in one bill. That bill is one of the Association's largest budget items: ~ \$50,000/yr.

The original clothes washers installed at Alicante are now ~10 yrs old. If they haven't yet, it's likely they'll soon need repair. Considering repair costs, and San Diego's serious drought, it may be a great time to replace your washer with new front-load unit. Switching to a front-load washer benefits you and the Association.

Compared to original top-load washers, front-load units:

- Use less than half the water!
- Use less electricity – wash *and* dry cycles
- Are gentler on your clothes

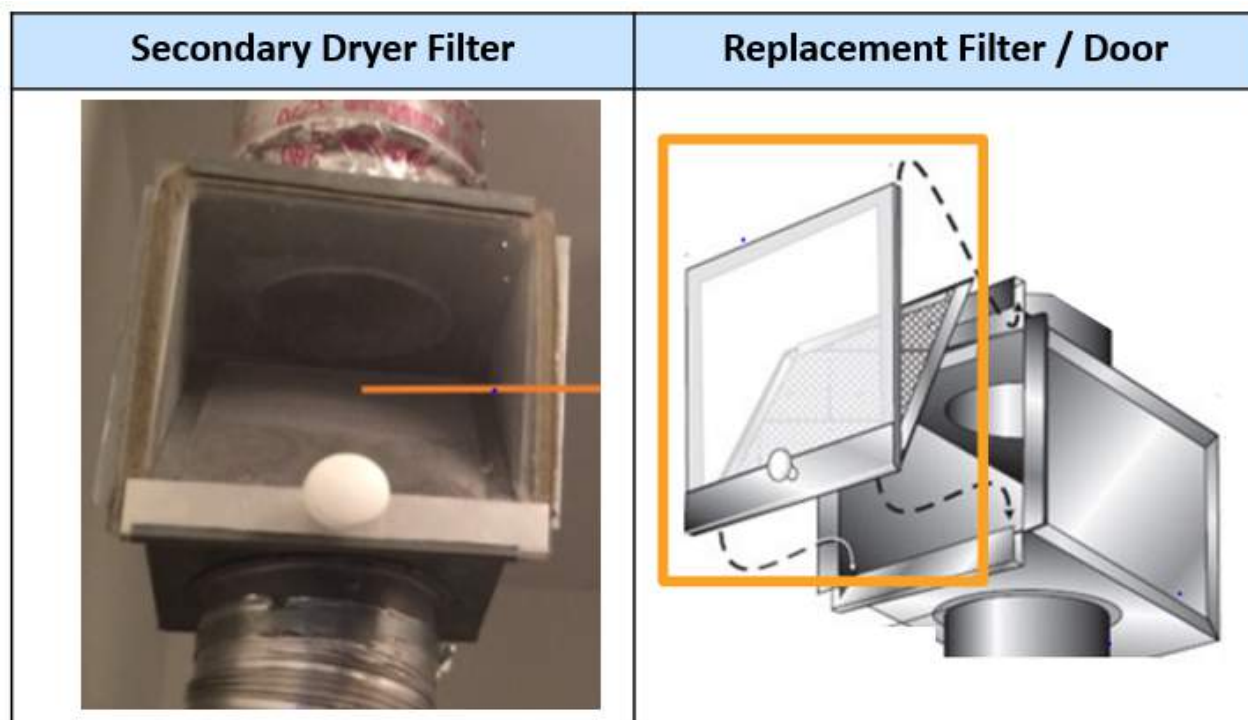
Rebate programs for water & energy saving appliances:

- Southern California water authorities:  
<http://socalwatersmart.com/index.php/home/?p=res>
- SDG&E: <http://www.sdge.com/buyers-guide/399>

Appliance departments at Lowes, Home Depot, etc., should be able to help you select a model that qualifies for the rebate.



## Secondary Dryer Lint Filter Replacement



American Aldes Dryer Lint Trap Replacement Door Part No. 99 059-1

Assuming your secondary dryer filter is the same as the one shown above, the replacement part can be ordered by speaking with a representative of American Aldes Ventilation Corporation ([www.aldes.com](http://www.aldes.com)) at 941-351-3441.

At the time of the bulletin's writing, the cost for a replacement part was ~ \$35 (excluding tax and shipping). Note: The part has been redesigned and now has a different appearance.

Dryer lint filters should be kept clean, and the dryer exhaust duct should be inspected/cleaned regularly. See the corresponding OMC bulletins for more information.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins



Old washing machine hoses *can ruin your day...*



Replace with new stainless hoses!



- Original Alicante appliances & hoses ~10 years old → time to replace hoses!
- New hoses from Lowes, Home Depot, etc.
- Self-repair, plumber or appliance repair person

**Steps:**

1. Slide washing machine from laundry closet
2. Follow steps in video to replace hoses:  
<https://www.youtube.com/watch?v=GAcncD6Ww5w>
3. Slide washing machine into laundry closet



Washing machine  
hoses – near  
washing machine  
in laundry closet



**Remember:** Homeowners' responsibilities related to flood damage are found in the CC&Rs.

High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

# Be clean *and* water-wi\$e!

## Replace Showerheads!



The Association spends ~ \$50,000/yr on water!



All water used by Alicante's condos and common areas is measured with a single meter, and paid in one bill. That bill is one of the Association's largest budget items: approximately \$50,000/yr. By saving water, WaterSense showerheads benefit you and the Association!

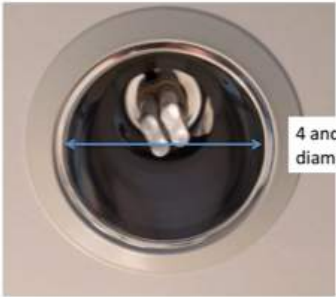




To encourage water savings, Southern California water authorities are running rebate programs. At the time of this bulletin's writing, there was none for showerheads. However, that may change! Check here: <http://socalwatersmart.com/index.php/home/?p=res>

Look for WaterSense showerheads at stores like Lowes, Home Depot, etc.

If you are uncertain about changing a showerhead, please contact a plumber. We recommend using qualified plumbers familiar with the unique high-rise plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

## Replacement LED Bulb for Bathroom Recessed Cans

Bathroom Recessed Can	CFL - Typical	LED - Better!
  		

Green Creative Part No. 57933

7Watt - 2-Pin GX23 - 13Watt CFL Equal - 560 Lumens - 3500 Kelvin

Use with Magnetic Ballast or Ballast Bypass

This LED bulb uses ~ half the electricity and makes brighter light than a typical CFL bulb used in Alicante bathroom recessed cans. This LED bulb does not require re-wiring the recessed fixture. Simply replace the current CFL bulb with this LED bulb.

At the time of the bulletin's writing, the cost for a bulb was ~ \$14 from Solterra Lighting (760-438-6600; [www.SolterraLighting.com](http://www.SolterraLighting.com)). The bulb is also available from other vendors (e.g.; [www.1000bulbs.com](http://www.1000bulbs.com) , Amazon, etc.).

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

## Replacement LED Bulb for Kitchen Recessed Cans

Kitchen Recessed Can	Halogen – Typical	LED – Better!
		

### Hyperikon PAR20 Dimmable LED Bulb

8W (50W equivalent), 3000K (Soft White Glow), CRI90+, Flood Light Bulb

This LED bulb uses *far less* electricity and makes comparable light to a typical halogen bulb used in Alicante kitchen recessed cans. This LED bulb does not require re-wiring the recessed fixture. Simply replace the current bulb with this LED bulb. At the time of the bulletin's writing, a 4-pack of these bulbs was ~ \$23 from Amazon

([https://www.amazon.com/gp/product/B00RMJZV6K/ref=oh\\_aui\\_detailpage\\_o06\\_s00?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B00RMJZV6K/ref=oh_aui_detailpage_o06_s00?ie=UTF8&psc=1) ). These bulbs are also available from other vendors.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

# Risk Reduction



Unclogged toilet → Happy *you*!  
Only flush toilet paper!





The plumbing in a high-rise building differs from residential plumbing. For example, Alicante's plumbing is arranged in vertical stacks that feed to horizontal lines in the garage that flow out to the city sewer system. Due to the nature of Alicante's "high-rise" waste plumbing, the system will not accommodate items that may be "flushable" in suburban homes.

**Do not put anything other than toilet paper and human waste down the toilets.**

For example, do not attempt to flush wipes, paper towels, or Kleenex, as these products' fibers attach to the sides of pipes causing back-ups and clogs. In fact, some types of 'extra soft' toilet paper may also cause back-ups due to fibers attaching to pipes. You may need to experiment! And, of course, do not attempt to flush cotton swabs, diapers or other bulky items.

**Keep a toilet plunger handy for toilet back-ups!**

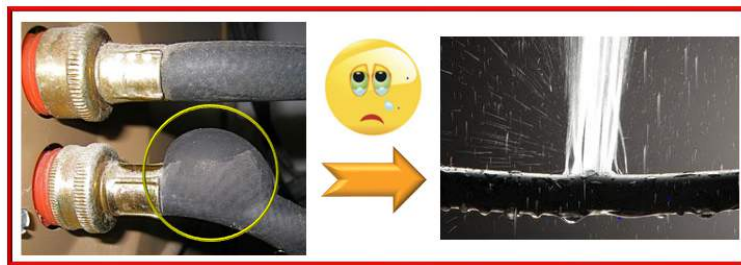
**Call a plumber immediately if you cannot clear your toilet with a plunger.**

High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

## A Leak While You're Away Can Lead to an *Expensive Flood...*

### Laundry Room...



### Kitchen or Bathroom ...



- Recommend closing water valves before extended absences.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins

[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins

A number of units have experienced water leaks / floods while their residents were away. To reduce the risk of this recurring, the OMC recommends:

**A. Before each lengthy absence close water supply valves throughout condo:**

1. Laundry room – Valves are on the left or right side of the washing machine
2. Kitchen faucet – Valves are in the cabinet under the kitchen sink
3. Bathroom vanity faucets – Valves are in the cabinet under the vanity sink
4. Toilets – Valves are under the toilet tanks

Alicante water supply lines use ¼ turn or multi-turn valves.

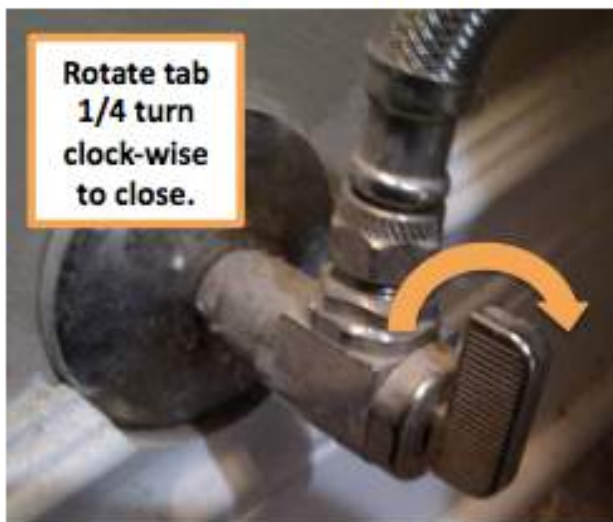
**To operate ¼ turn valves:**

Action	Steps	Comment
Close valve	a) Turn tab clock-wise 90 degrees (1/4 turn). b) Open faucet tap to confirm water supply is off. <b>If it is not off, the ¼ turn valve has become defective and needs to be addressed by a plumber – see below.</b>	<b>DO NOT EXCEED 1/4 turn or the valve may break.</b>
Open valve	a) Turn tab counter-clockwise 90 degrees (1/4 turn). b) Check faucet to confirm water supply is on.	

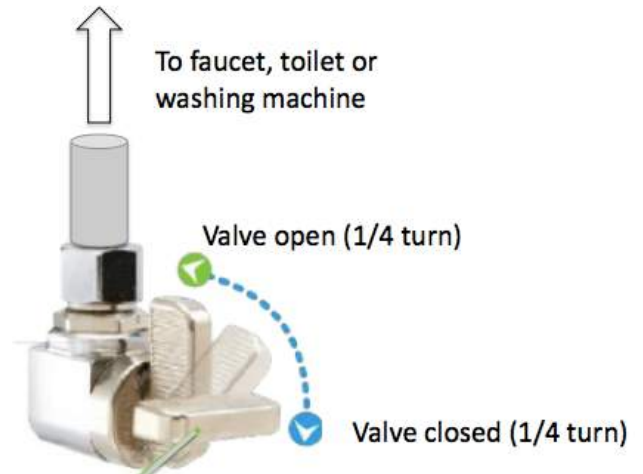
**Laundry Room**



**Kitchen or Bathroom**



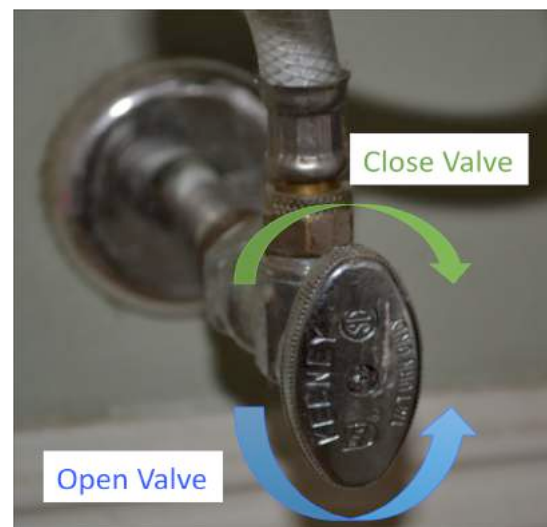
**Note:** If the valve's tab has not been moved in a long time, it may be difficult to rotate. To loosen, little by little, rotate tab back and forth until it moves freely through the full 1/4 turn range of motion. If this is unsuccessful, contact a plumber – see below.



#### To operate multi-turn valves:

Action	Steps
Close valve	a) Turn knob clock-wise until valve is seated. b) Open faucet tap to confirm water supply is off. <b>If it is not off, the multi-turn valve has become defective and needs to be addressed by a plumber – see below.</b>
Open valve	a) Turn tab counter clock-wise until valve is open. b) Check faucet to confirm water supply is on.

**Note:** If the valve's knob has not been moved in a long time, it may be difficult to rotate. If you can't rotate the knob, or are unsure, contact a plumber – see below.





## **B. Ensure Management has your current email & phone contact info**

If a leak occurs while you're away, Management will attempt to contact you to advise of the leak. In cases where you are unreachable, out of consideration of the Association's common areas and other condo units, Management may engage water remediation services, a plumber, etc. to address the leak / flood in your unit.

## **C. Responsibilities**

**Remember:** Homeowners' responsibilities related to flood damage are found in the CC&Rs.

## **D. Plumbers**

High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to contact one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

# Alicante Garbage Disposals

## *Care & Feeding*



- High-rise plumbing is not like house plumbing!
- Though the disposal may grind it, Alicante pipes can't handle grease, scraps, cornhusks, egg shells, peels (apples, carrots, etc.), oils/butters, excessive soap, coffee grounds, or rice.
- Avoid disposing these items to preclude sink back-ups!

The plumbing in a high-rise building differs from residential plumbing. For example, Alicante's plumbing is arranged in vertical stacks that feed to horizontal lines in the garage that flow out to the city sewer system. Due to the nature of Alicante's "high-rise" waste plumbing, materials put down your sink can negatively impact your neighbors – causing sink backups in your and their condos. In the worst case, sinks can backup and overflow in multiple condos.

To preclude the chance of kitchen sink backup, scrape your dishes into your garbage-chute trash bag. Recommend only use your sink to rinse! Do not put grease, scraps, cornhusks, eggshells, peels (apples, carrots, etc.), oils/butters, excessive soap, coffee grounds, rice and the like down your disposal. These items create build-up in sink drainpipes. Over time, lightweight items stick to the build-up, causing a clog. Note: Plumbers have even found plastic bags stuck in Alicante garbage disposal drains!

**Remember:** Homeowners' responsibilities related to flood damage are found in the CC&Rs.

High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)



## Fire Sprinklers - Don't Crowd Them!



**In your home and in the garage, give sprinklers plenty of room, to avoid damaging them, and possible costly floods.**





If sprinkler heads become dislodged, water will be released, likely causing damage.

**RESIDENCES:** To preclude water damage to your condo and perhaps your neighbor's too, do not place items in close proximity to the fire sprinklers on your walls and ceilings.

***Remember:*** Homeowners' responsibilities related to flood damage are found in the CC&Rs.

**GARAGE:** To preclude water damage to your car, other cars in the garage, as well as storage areas located throughout the parking levels, do not transport items on your vehicle's roof when driving through the parking structure.

Untended appliances are *a roll of the dice*...  
Don't let a flood happen to you!

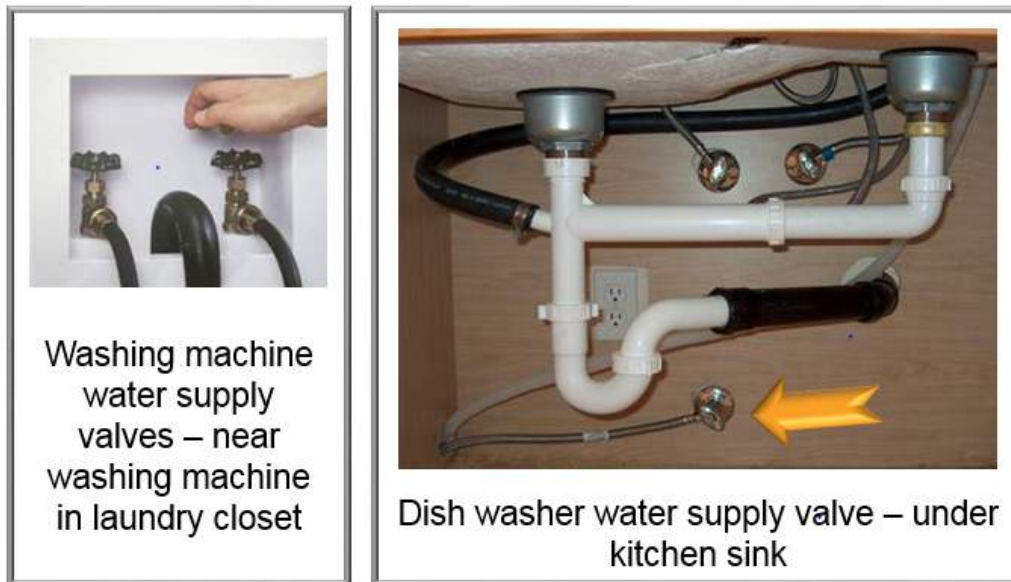


**Be home & alert when running dishwasher and clothes washer!**

If you see water leaking, immediately:

- Shut off appliance & water supply valves
- Call a plumber or appliance repair person to correct
- Contact neighbors & Alicante in case others impacted

To close water supply valves, turn to the right...



Example Water Damage from untended Alicante appliances

- Clothes washer overflowed, damaging the condo, the public hallway, two neighbor units on same floor, one neighbor unit on below floor
- Dishwasher overflowed, damaging the condo, one neighbor unit on below floor

**Remember:** Homeowners' responsibilities related to flood damage are found in the CC&Rs.

High-rise plumbing systems are unique. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

# Fire Safety is Everyone's Business!

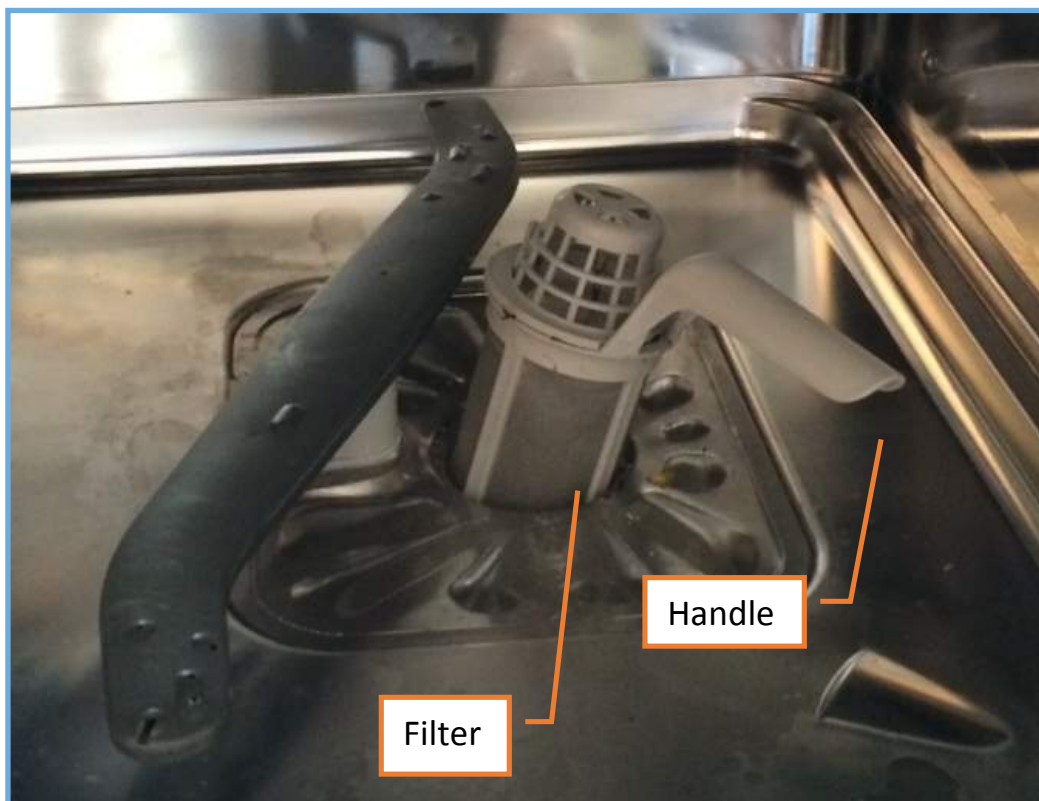
Please observe the following reminders to improve fire safety for the building:

- Never hang anything on fire sprinklers or associated pipes.
- Don't paint fire sprinklers.
- Ensure a 18-inch gap between objects and a fire sprinkler – especially important in closets containing sprinklers.
- ***Don't disconnect smoke detectors!*** If a detector is making noise...
  - It needs a new battery (see [the Alicante OMC - Smoke Detector Replacement bulletin](#) for details)  
*OR*
  - It needs to be cleaned (see [the Alicante OMC - Smoke Detector Cleaning bulletin](#) for details)  
*OR*
  - It needs to be replaced (see [the Alicante OMC - Smoke Detector Replacement bulletin](#) for details).

# Cleaning Guidelines

# Happy dishwasher, happy *you*!

## Check & rinse its filter!



Electrolux: Rotate handle & lift filter to remove.  
Empty/rinse filter & re-install.

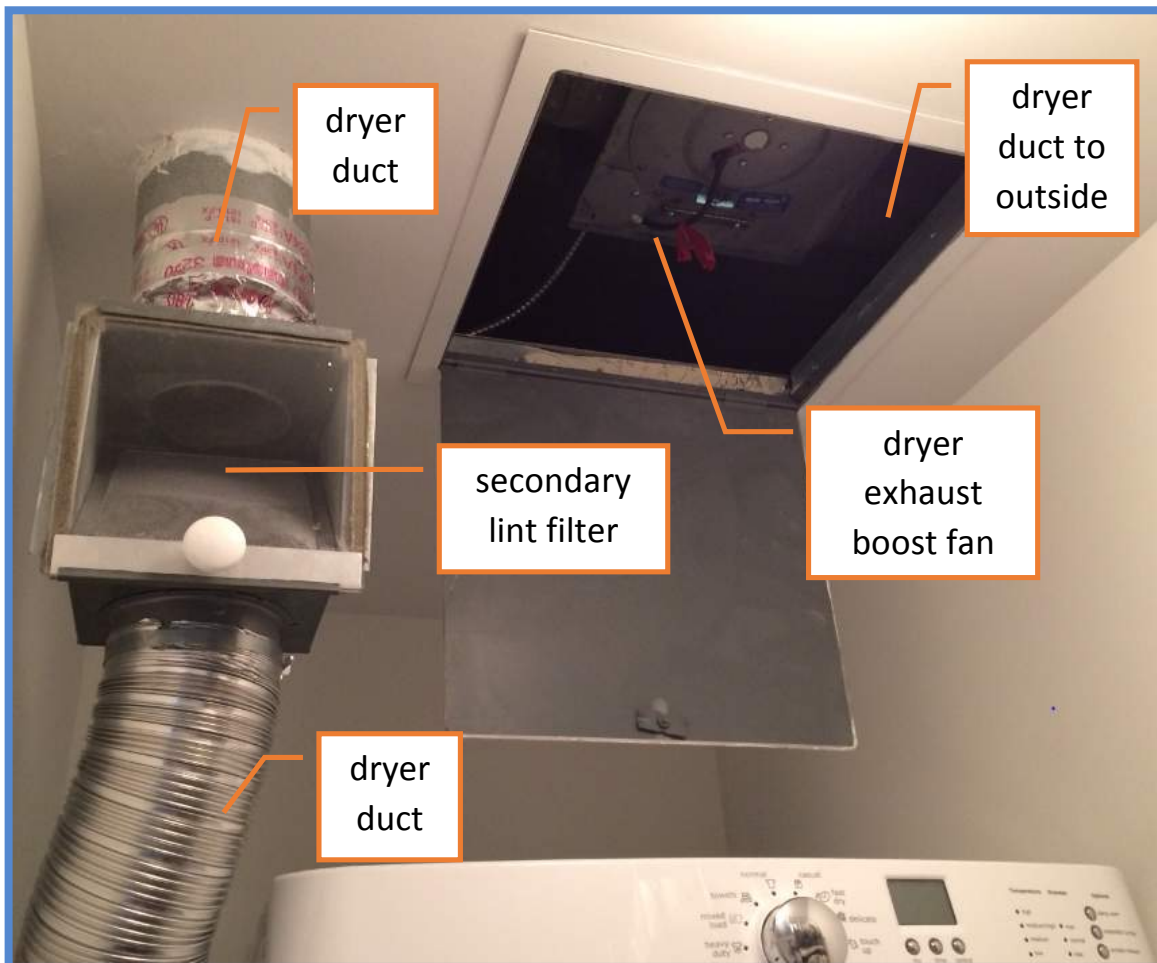
Other brands are similar.

See manufacturer's information for more details.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

## Easy-breathing dryers save time and \$\$\$ (and prevent fires)!

*Get dryer ducts cleaned!*



See mailroom display case – or below sites – for more info!

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins



## Alicante Owners Maintenance Committee Dryer Duct Cleaning Report

The safety of our building depends on owners keeping their units in good condition. The dryer exhaust system needs periodic cleaning:

- The duct from the dryer to the secondary lint filter
- The secondary lint filter
- The duct to the dryer exhaust boost fan
- The exhaust boost fan (Fan should turn on when the dryer runs!)
- The eccoduct that runs from the boost fan through the ceiling to the outside

The service agent will tell you how frequently your systems need cleaning: one to four years. Bids were requested from three companies. SD Dryer Vent Cleaning (858-518-6088, [www.sandiegodryerventcleaning.com](http://www.sandiegodryerventcleaning.com)) was selected for a trial visit by five Alicante owners. The results were praised. One resident had paid more than 4 times the amount for the same service two years ago.

Prices for cleaning one unit:

SD Dryer Vent Cleaning	\$89
Coit	\$120
Airtek	\$225

In addition, SD Dryer Vent Cleaning will discount their price if multiple units book a service visit at the same time: \$65 each for 2, 3, or 4 units; \$50 each for 5 or more units. The units must coordinate themselves and make one appointment for the group. The service takes about 45 minutes per unit.

Coit offered to discount to \$80 for five or more units. Airtek did not respond to a request for bid, but has been charging \$225 for one unit. Contact our manager Kelly with any questions: 800-400-2284 or [kthomson@actionlife.com](mailto:kthomson@actionlife.com).



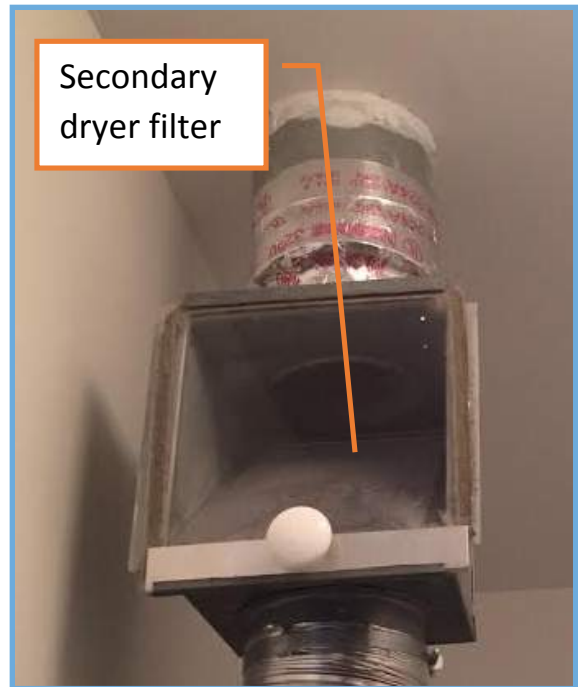
# Easy-breathing dryers save time and \$\$\$!

## Check & clean filters!

Dryer lint  
filter



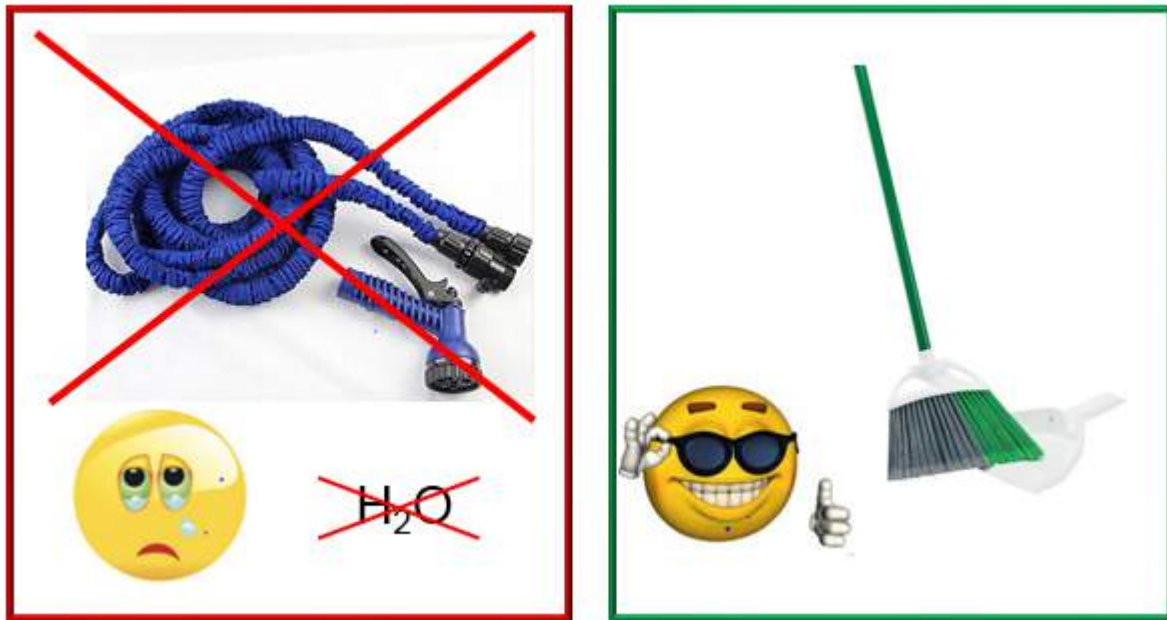
Secondary  
dryer filter



Slide & lift filters to remove.

See dryer mfg. info for more details.

## Dusty Outdoor Space? You've got options!



To clean your outdoor space use ....

- A broom & dustpan (preclude sweeping thru patio drains)
- Or vacuum cleaner
- And ... perhaps a damp mop afterward

**Remember:** *“Balconies, decks and patios cannot be hosed off or washed in such a manner as to allow water to drain from these areas.”* (Alicante Owners Association Membership Handbook – Balconies, Decks and Patios #4)

# Keep Your Sink Drains *Swirling* Down!



- Avoid commercial drain cleaners – the strong chemicals will erode Alicante's pipes
- Use environmentally friendly products (e.g.; Unique Super Digest-It) to clear clogs, or preventatively to preclude slow drains



High-rise plumbing systems are unique. To keep your drains open, there are environmentally friendly products to use preventively that may be purchased on-line or at hardware stores (e.g.; Unique Super Digest-It).

DO NOT USE commercial drain cleaners to clear clogged drains. The strong chemicals erode copper pipes, and will cause future leaks and expensive repairs.

If you experience a slow-draining sink/clog contact an experienced high-rise plumber to clear/snake your drain. We recommend using qualified plumbers familiar with the plumbing systems at Alicante. You may want to use one of the following:

- Be Blue Planet Drains & Plumbing: (619) 863-9593 or [plumbersinsandiego.com](http://plumbersinsandiego.com)
- Pro Tec Building Services: (858) 569-1080 or [www.goprotec.com](http://www.goprotec.com)

# Smoke Detector Lost Its Mind?

*Beep.Beep.Beep..... Beep.Beep.Beep*

## It May Need to be Cleaned!



**Accumulated dust may cause detector to give **triple-beep** false alarms.** If they recur, clean detector.

Notes:

- Below steps are representative. See detector manufacturer's information/website for more information.
- During following steps detector may sound.

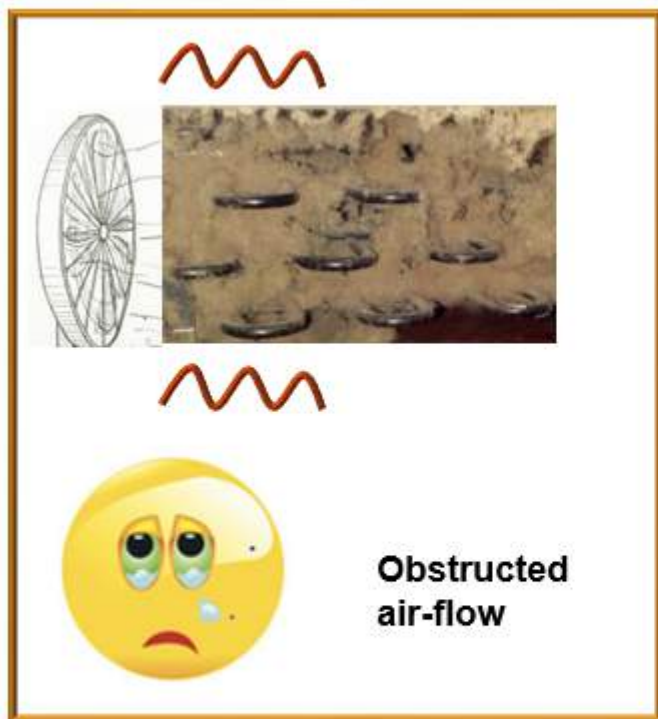
More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins

1. Turn-off power to smoke detector at circuit breaker panel.
2. Rotate detector counter-clockwise to disconnect from base.
3. Carefully unplug connector from back of detector.
4. Use vacuum cleaner to remove dust from detector exterior.
5. Open battery compartment, use computer cleaner to blow dust from detector interior.
6. Insert plug into detector and re-install detector to base.
7. Restore power to detector at circuit breaker.
8. **If false alarms persists, replace detector.**
9. If you prefer, contact an electrician to perform cleaning. You may want to choose one of the following:
  - Sommer Electric 760-315-2226
  - Service Electric 760-291-1302

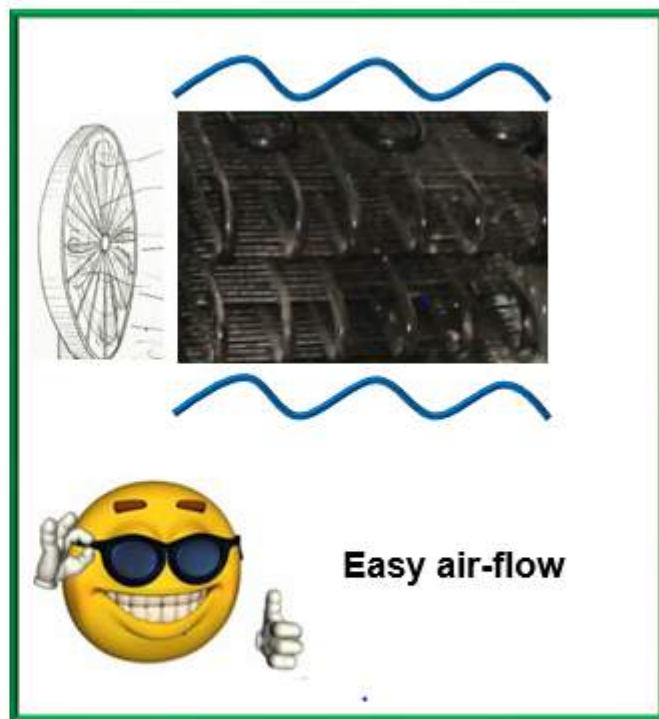




# Save \$ – Clean Refrigerator Coils!



**Dirty Refrigerator  
Coils**



**Clean Refrigerator  
Coils**

## **Cleaning coils regularly helps refrigerators operate at their best!**

Dust and pet fur can clog a refrigerator's coils – causing the fridge to run longer / use more electricity to keep its contents cold.

Recommend cleaning refrigerator coils every 6 months if you have pets, yearly if not.

Cleaning can be a do-it-yourself project. Recommend using a vacuum and a refrigerator coil lint brush (available from hardware stores) to carefully / gently clean coils:



Steps may vary for each refrigerator (e.g.; method for removing the refrigerator toe-kick grill). Consult documentation specific to your refrigerator for details. These representative videos show cleaning on two fridge types:

<https://www.youtube.com/watch?v=cn6yZeGO8Rw>

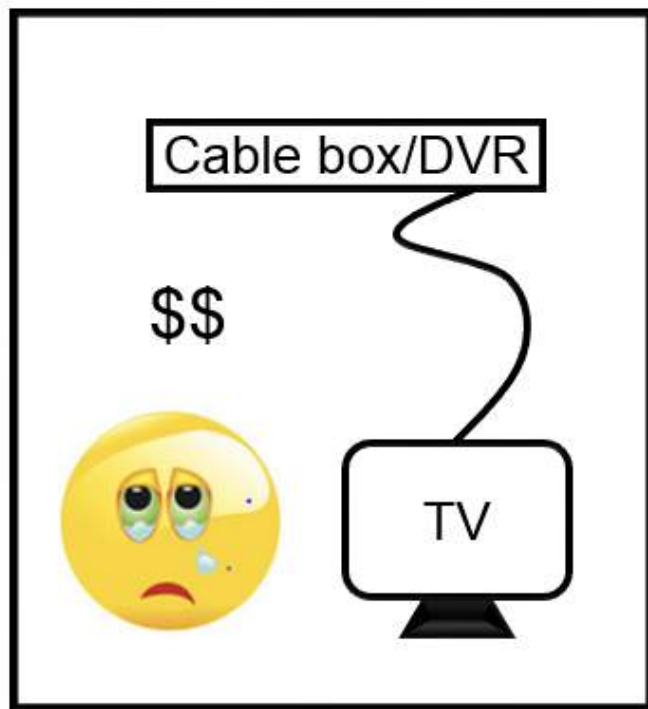
<https://www.youtube.com/watch?v=Vjt7bIIF8do>

If you'd prefer, contact a handyman for assistance (e.g.; [www.angieslist.com/](http://www.angieslist.com/), [www.homeadvisor.com/](http://www.homeadvisor.com/) , etc.)

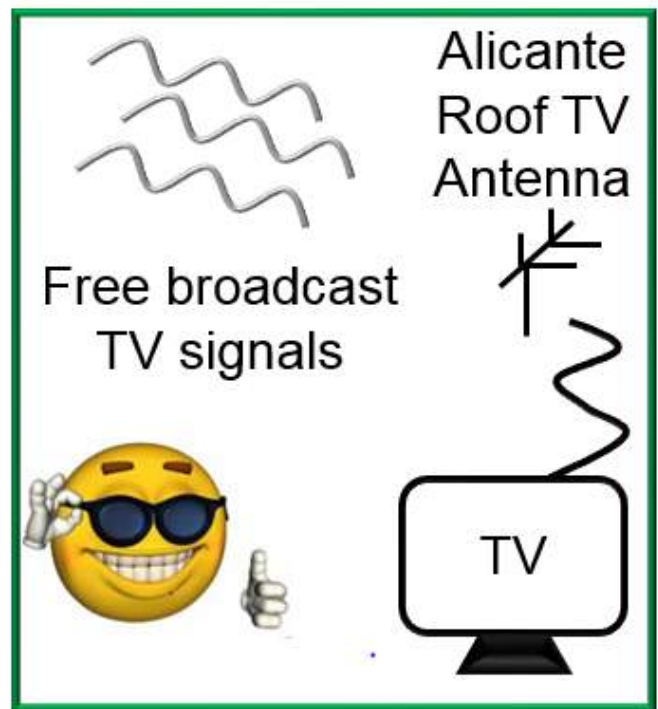


# Technology Tips

## Tired of Paying for Cable TV? Off-Air / Broadcast TV May Be For You!



Cable TV



Off-Air TV

**Broadcast TV may be for you if...**

- **You want to save \$**
- **Local broadcast channels meet your needs**
- **You use Streaming TV (Netflix, Hulu, Acorn TV, Sling TV, etc.)**

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins



Free digital broadcast TV signals are available throughout the US. Broadcast TV signals typically deliver programming in High Definition (HD).

The ability to watch broadcast channels on an Alicante condo's TVs assumes:

- (1) A roof-mounted TV antenna has been installed on Alicante
- (2) Wiring connections in an Alicante telecom cabinet have been adjusted to deliver the TV signal from Alicante's roof antenna to the condo's Smart Panel
- (3) Wiring connections inside the condo's Smart Panel have been adjusted so the TV signal from Alicante's roof antenna gets distributed to the coaxial wall connectors in the condo's living room and bedroom(s)
- (4) The condo's TVs have been adjusted so they can display broadcast TV channels

For Item 1, the Association had rooftop antennas and other equipment installed to make broadcast TV channels available to residents. The system makes various broadcast TV channels available within the building, including\*:

Station	Network
KGTV	ABC
KZSD	Azteca TV
KFMB	CBS
XETV	CW
KSWB	FOX 5
KUSI	KUSI

Station	Network
XHDTV	MY TV 13
KNSD	NBC
KPBS	PBS
XEWT	Televisa
XHAS	Telemundo
KBNT	Univision

\*Reception of additional channels is likely, due to the particulars of each TV.

To perform Items 2 & 3, interested Owners must hire a technician (one-time fee).

To perform Item 4, interested Owners must adjust their TV to use broadcast TV signals.

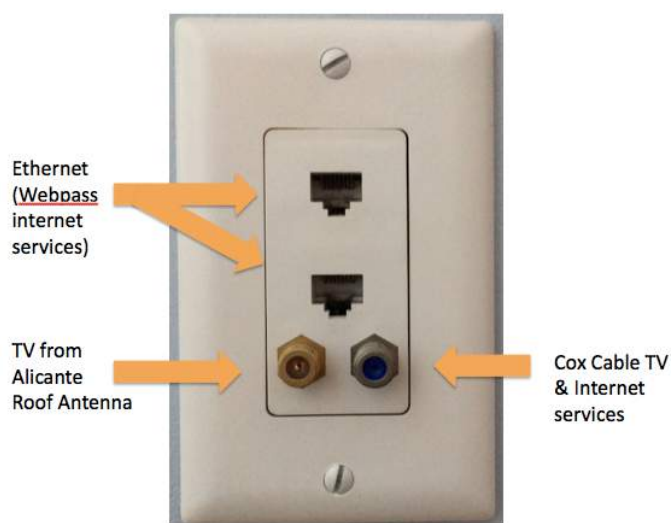
Details below.

## Items 2 & 3: Adjust Wire Connections

Each condo has a Smart Panel that enables telephone, TV, and/or Internet services to reach living room & bedroom wall outlets. A condo's Smart Panel is typically located in a closet.

To deliver broadcast TV signals from Alicante's roof antenna to a condo's wall outlets requires a technician make some wiring adjustments:

- Adjust connections in Alicante telecom cabinet to deliver broadcast TV signal from roof antenna to condo's Smart Panel.
- Adjust connections inside condo's Smart Panel to enable broadcast TV signal to reach living room and bedroom wall outlets. Confirm broadcast TV signal reaches living room and bedroom wall outlets.



#### **Item 4: Adjust TV to display broadcast TV signals**

After Items 2 & 3 are complete, the following steps need to be taken to view broadcast channels on a condo's TV:

- Attach coaxial cable between wall-plate's brass-colored connector (above photo) and connector on back of TV
- Use TV remote to change TV input from "cable" to "antenna"
- Use TV remote to have TV scan for TV stations.
- This video shows steps: <https://www.youtube.com/watch?v=wN-pnV2NrA>
- Note: Review your TV's user guide/instructions for more info. User guides are available for many TVs from the Internet.

The Association used Custom Antenna Service for Item 1 (installation of the broadcast TV equipment in the common areas).

It is the responsibility of interested Owners to schedule and pay for Items 2&3 (the condo-specific wiring adjustments). At the time of this bulletin, Custom Antenna Service has indicated they will charge an Owner \$125/condo to perform Items 2&3. This is a one-time fee. The cost may change in the future. Owners should Contact Custom Antenna Service directly to arrange their service: 619-582-1010.

It is the responsibility of interested Owners to complete Item 4 (Adjust TV).

#### **Additional Considerations**

For those who want to 'cut the cord to Cox', there are other considerations: Cox provides TV programming, a channel guide, DVR, Internet, and landline phone to many residents ("the bundle"). Cutting the cord requires alternate providers for each service, where applicable. Below are some possibilities:

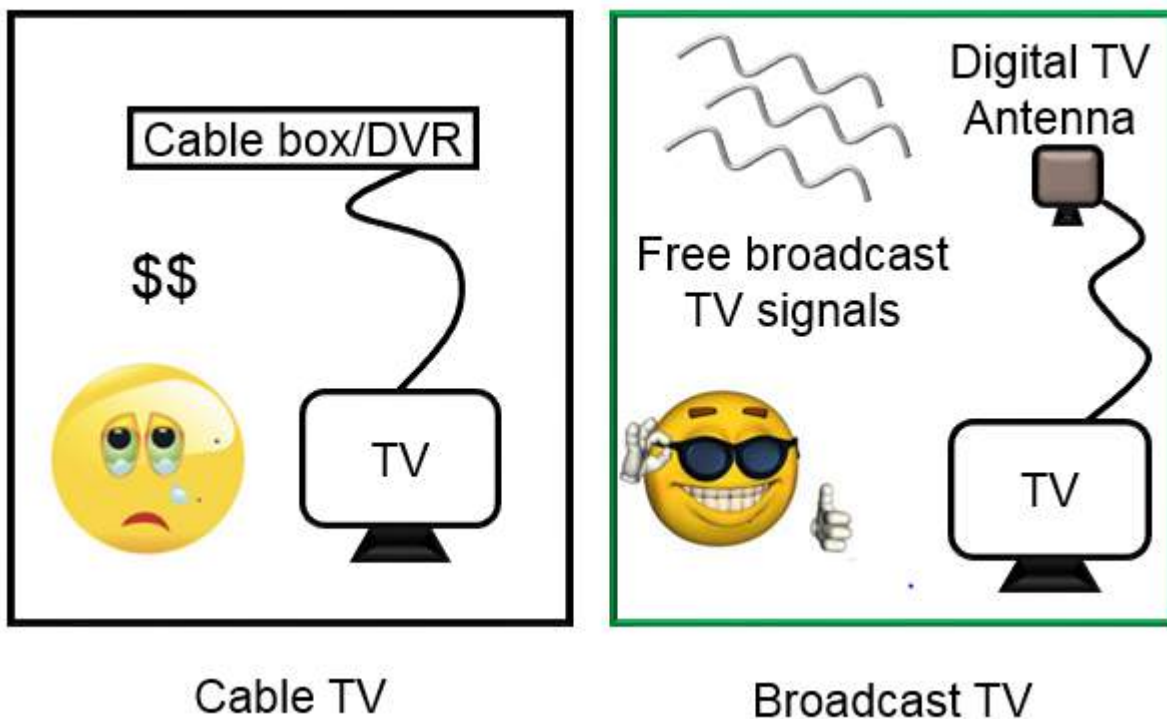
More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivportal.com](http://www.vivportal.com) → Documents → Association Documents → OMC Bulletins

Service	Alternate	Comment
Cox Cable TV	Broadcast TV (above)	<ul style="list-style-type: none"> <li>• Save \$ - no monthly fee</li> <li>• No premium channels</li> <li>• Fewer channels than cable TV</li> </ul>
Channel Guide	<a href="http://www.titantv.com">www.titantv.com</a>	<ul style="list-style-type: none"> <li>• Provides TV program guide (requires computer with internet access)</li> </ul>
Cox DVR	<a href="#">Simple TV</a> or <a href="#">TiVo Roamio OTA</a>	<ul style="list-style-type: none"> <li>• DVR functionality with TV antenna</li> </ul>
Cox Internet	<a href="#">Webpass</a> (≥200 Mbps)	<ul style="list-style-type: none"> <li>• Webpass internet speed is likely faster than your Cox Internet, and likely cheaper.</li> <li>• Webpass doesn't require a "cable box"</li> </ul>
Cox landline Phone	Cell phone, Vonage, etc.	Landline phone services (e.g.; Vonage) may require Internet service in your condo.

See this bulletin for more information: Alicante OMC – Switching from a Cox Bundle.

Lastly, there's a related topic: streaming TV. This is more commonly known by device/service provider names: Apple TV, Roku, Chromecast, Netflix, Hulu, etc. These deliver video-on-demand and premium programming, but without a cable TV subscription. The combination of broadcast TV and streaming TV can be a replacement for cable TV. Look for the bulletin on this subject: Alicante OMC – Streaming TV!

## Tired of Paying for Cable TV? Broadcast TV May Be For You!



**Broadcast TV may be for you if...**

- **You don't need premium channels**
- **Your condo unit/room is appropriately located**
- **You don't mind experimenting to locate TV antenna**



Free digital broadcast TV signals are available throughout the US.

Broadcast TV signals often deliver High Definition (HD) programming. For technical reasons, broadcast HD TV can provide superior TV picture quality compared to cable TV "HD" programming.

[Numerous broadcast channels](#) are available to Bankers Hill residents (CBS, ABC, NBC, PBS, FOX, CW, etc.). However, one's reception depends on condo unit location (e.g.; north-facing; higher is better, etc.). Other considerations: Concrete walls may preclude TV reception in one condo unit, but not another. So, Condo A may get all stations, whereas condo B gets PBS, ABC & Fox, and Condo C might not receive any broadcast TV signals.

Using a ~ \$50 antenna like the [AmazonBasics-Ultra-Thin Amplified Indoor-HDTV-Antenna](#) may enable you to watch broadcast TV. (Note: This antenna was selected from Amazon.com due to its high ratings and long cable, allowing flexibility in antenna placement.) Some experimentation during set-up will be required. The OMC checked TV reception in several Alicante condos: The results are in the tables at the bottom of the bulletin. Reception in your condo may be similar.

### **Setup / Evaluate Broadcast TV**

1. Get HDTV antenna
2. Attach antenna cable to back of TV
3. Temporarily place antenna near window
4. Use TV remote to change TV input from "cable" to "antenna"
5. Use TV remote to have TV scan for TV stations. To investigate improving scan results, repeat the scan with antenna in different locations: Antenna on different walls, in different rooms
6. Once antenna is in final location, it may be covered with wall art.
7. Setup video: <https://www.youtube.com/watch?v=wN-pnV2NrA>



## Additional Considerations

For those who want to ‘cut the cord to Cox’, there are other considerations: Cox provides TV programming, a channel guide, DVR, Internet, and landline phone to many residents (“the bundle”). Cutting the cord requires alternate providers for each service, where applicable:

Service	Alternate	Comment
Cox Cable TV	Broadcast TV via antenna	<ul style="list-style-type: none"> <li>• Save \$ - no monthly fee</li> <li>• Must buy antenna (<a href="#">sample</a>)</li> <li>• No premium channels</li> <li>• Fewer channels</li> <li>• May not work in your condo</li> </ul>
Channel Guide	<a href="http://www.titantv.com">www.titantv.com</a>	<ul style="list-style-type: none"> <li>• Provides TV program guide (requires computer with internet access)</li> </ul>
Cox DVR	<a href="#">Simple TV</a>	<ul style="list-style-type: none"> <li>• DVR functionality with TV antenna</li> </ul>
Cox Internet	<a href="#">Webpass</a> (200 Mbps)	<ul style="list-style-type: none"> <li>• Webpass internet speed is faster than Cox Internet, and likely cheaper.</li> <li>• Webpass doesn’t require a “cable box”</li> </ul>
Cox landline Phone	Cell phone, Vonage, etc.	Landline phone services (e.g.; Vonage) may require Internet service in your condo.

Lastly, there’s a related topic: Streaming TV. This is more commonly known by device/service provider names: AppleTV, Roku, Chromecast, Netflix, Hulu, etc. These deliver video-on-demand and premium programming, but without a cable TV subscription. Look for the separate OMC bulletin on Streaming TV!

## Sample TV Reception in Alicante

The OMC investigated broadcast TV reception in a number of Alicante condos and the Community Room. The tables below show the channels received in each location. This information should help other Alicante residents evaluate if they want to explore Broadcast TV.

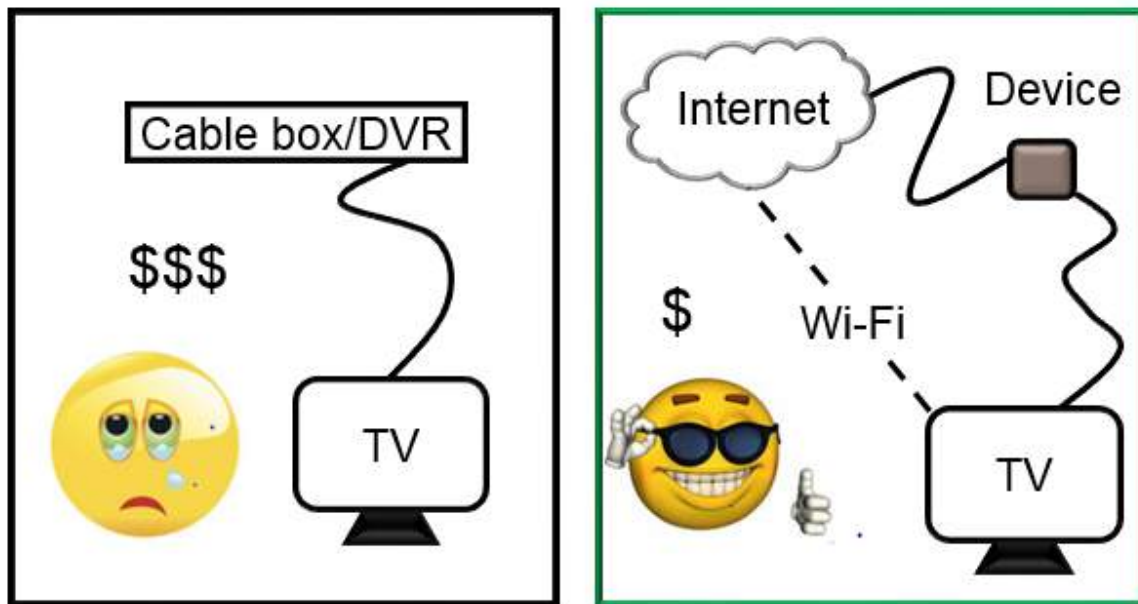
## English Channels

Condo (floor) & orientation								Channel	Station	Quality	Network
(9) North east corner	(5) Center North facing	(3) Center North facing	(7) North west corner	(2) North west corner	(9) South west corner	(1) Center South facing	(10) South east corner				
			<b>Yes</b>	<b>Yes</b>				<b>2.1</b>	<b>KCBS</b>	<b>HD</b>	<b>CBS (LA)</b>
			<b>Yes</b>	<b>Yes</b>				<b>2.2</b>	<b>KCBS</b>	<b>SD</b>	<b>CBS (LA)</b>
			Yes					5.1	KTLA	HD	CW (LA)
			Yes					5.2	KTLA	HD	Antenna TV (LA)
			Yes					5.3	KTLA	HD	This TV (LA)
Yes	Yes		Yes	Yes	Yes		Yes	6.1	XETV	HD	CW
<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>				<b>8.1</b>	<b>KFMB</b>	<b>HD</b>	<b>CBS</b>
Yes	Yes	Yes	Yes	Yes				8.2	KFMB	HD	Me TV
<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>			<b>10.1</b>	<b>KGTV</b>	<b>HD</b>	<b>ABC</b>
Yes	Yes	Yes	Yes	Yes	Yes			10.2	LWN-TV	SD	
<b>Yes</b>	<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>15.1</b>	<b>KPBS</b>	<b>HD</b>	<b>PBS</b>
Yes				Yes			Yes	26.1	KVSD	HD	
Yes				Yes			Yes	26.2	KVSD	HD	
			Yes	Yes				30.1	ION	HD	ION
			Yes	Yes				30.2	QUBO	SD	QUBO
			Yes	Yes				30.3	IONLife	SD	ION Life
			Yes	Yes				30.4	SHOP	SD	
			Yes	Yes				30.5	QVC	SD	
			Yes	Yes				30.6	HSH	SD	
			Yes	Yes				35.0	UCSD-TV	SD	
<b>Yes</b>	<b>Yes</b>			<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>39.1</b>	<b>KNSD</b>	<b>HD</b>	<b>NBC</b>
	Yes			Yes	Yes		Yes	39.2	COZI	SD	COZI
Yes			Yes	Yes				40.1	TBN	SD	
Yes			Yes	Yes				40.2	TCC	SD	
Yes			Yes	Yes				40.3	JUCE	SD	
Yes			Yes	Yes				40.5	SOAC	SD	
	Yes			Yes	Yes		Yes	51.1	KUSI	HD	KUSI
			<b>Yes</b>					<b>58.1</b>	<b>KLCS</b>	<b>HD</b>	<b>PBS (LA)</b>
			<b>Yes</b>					<b>58.2</b>	<b>KLCS</b>	<b>HD</b>	<b>PBS (LA)</b>
			<b>Yes</b>					<b>58.3</b>	<b>KLCS</b>	<b>HD</b>	<b>PBS (LA)</b>
			<b>Yes</b>					<b>58.4</b>	<b>KLCS</b>	<b>HD</b>	<b>PBS (LA)</b>
<b>Yes</b>				<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>69.1</b>	<b>KSWB</b>	<b>HD</b>	<b>FOX</b>
<b>Yes</b>				<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>69.2</b>	<b>KSWB</b>	<b>SD</b>	<b>FOX</b>
Yes				Yes	Yes		Yes	69.3	THIS TV	SD	THIS TV

## Spanish Channels

Condo (floor) & orientation								Channel	Station	Quality	Network
(9) North east corner	(5) Center North facing	(3) Center North facing	(7) North west corner	(2) North west corner	(9) South west corner	(1) Center South facing	(10) South east corner				
Yes				Yes			Yes	3.1	XHTJB	SD	
				Yes			Yes	3.2	XHTJB-2	SD	
Yes			Yes	Yes	Yes		Yes	6.2	XHGC	HD	
Yes	Yes	Yes	Yes	Yes	Yes			10.15	KZSD	SD	
			Yes				Yes	12.1	KBTB		
Yes	Yes	Yes		Yes	Yes		Yes	15.2	V-ME	SD	
Yes	Yes	Yes	Yes	Yes	Yes			17.1	KBNT	HD	
Yes	Yes	Yes	Yes	Yes	Yes			17.2	LATV	SD	
Yes	Yes		Yes	Yes	Yes		Yes	21.1	AZTECA	HD	AZTECA
Yes			Yes	Yes	Yes		Yes	27.1	XHJK	HD	
Yes			Yes	Yes	Yes		Yes	27.2	PRO40	SD	
Yes	Yes	Yes	Yes	Yes			Yes	33.1	Telemundo	HD	Telemundo
Yes	Yes	Yes	Yes	Yes			Yes	33.2	LATV	SD	
					Yes		Yes	36.1	HDTF	SD	
Yes				Yes				38.1	Univision	HD	Univision
				Yes				38.2	Unimas	SD	Unimas
Yes				Yes				38.3	LATV	SD	
Yes			Yes	Yes				40.4	ENLACE	SD	
	Yes			Yes	Yes		Yes	45.1	XHBJ	HD	
Yes				Yes	Yes		Yes	49.1	MundoFutbol	SD	
Yes		Yes			Yes		Yes	49.2	XHDTV	HD	
	Yes				Yes			50.1	KSDY	SD	
	Yes				Yes			50.2	KSDY	SD	
	Yes			Yes	Yes		Yes	50.3	KSDY	SD	
Yes			Yes	Yes	Yes		Yes	57.1	XHUAA	HD	
Yes			Yes	Yes				63.1	KBEH	SD	
Yes			Yes	Yes				63.2	KBEH	SD	
Yes			Yes	Yes				63.3	KBEH	SD	
Yes			Yes	Yes				63.4	KBEH	SD	
Yes			Yes	Yes				63.5	KBEH	SD	
Yes			Yes	Yes				63.6	KBEH	SD	
Yes			Yes	Yes				63.7	KBEH	SD	
Yes			Yes	Yes				63.8	KBEH	SD	

## Tired of Paying for Cable TV? Streaming Video May Be For You!



Cable TV

Streaming TV

### Streaming TV may be for you if...

- You want to reduce monthly cost for TV
- Your shows/movies/sports are available via Internet
- You prefer to watch shows without commercials
- You don't mind some technical configuring – equipment or computer
- You're curious to see programs not available on traditional TV
- You want to watch on 3 screens (TV, PC, Mobile Device) *anywhere* you have Internet connectivity

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins

[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

## **Background – What is Streaming TV?**

Initially, TV programming was delivered by over-the-air signals: Broadcast TV.



Subsequently, TV programming was transmitted over cables: Cable TV.



Now, TV programming is being distributed over the Internet: Streaming TV.



### **Streaming TV - Pros**

- Monthly cost less than cable TV
- Viewing without commercials (Netflix, Amazon Prime, Apple TV, etc.)
- Watch on multiple screens (TV, PC, Smartphone and Tablets) anywhere with Internet connectivity.
- DVR not required
- Watch back-to-back episodes - Binge watching!

### **Streaming TV – Neutral**

- Some behavior changes – Select programs vs. channel surf
- Watch when you want, not at fixed times (8PM each Wed night)

### **Streaming TV – Cons**

- Not all shows/sports/movies available via Internet *yet*.
- Need to be a little 'techie' to setup equipment

## Streaming TV - Requirements

- An Internet connection – *faster is better!*
- Streaming media subscriptions – Netflix, Hulu, Acorn TV, etc.
- Viewing screens
  - Smart TV\*
  - Conventional TV\* + Device\*
  - Smartphone / iPhone
  - Tablet / iPad
  - PC / Mac
- Appropriate cables
- Optional: Router with Wi-Fi

Various setups enable Streaming TV, with a variety of programming types:

Program Type	Conventional TV* + Device*			Smart TV*
	Roku	AppleTV	Chromecast	
Movies	Yes	Yes	Yes	Yes
Sports	Yes	Yes	Yes	Yes
TV shows	Yes	Yes	Yes	Yes

**\*Conventional TV:** A TV that's unable to connect to the Internet. A device (below) is required to display media from the Internet on the TV.

**\*Device:** Enables TV to display video media from the Internet. Examples:



Roku



Apple TV



Chromecast

**\*Smart TV:** A TV that can connect to the Internet to display video media (i.e.; the TV has built-in support for Hulu, Netflix, etc.).

## Streaming TV – Available Programming

*The specific shows, movies or sports available on your screens depends on your setup and your streaming media providers.*

- The number of media providers is growing rapidly.
- Each media provider's content library is growing, including made-for-streaming shows (Netflix's House of Cards).
- Same show may be available from various media providers.
- Current streaming media providers include:

TV Shows / Movies	Sports
• <a href="#">Netflix</a>	• <a href="#">MLB.TV</a>
• <a href="#">Hulu</a>	• <a href="#">NHL Game Center</a>
• <a href="#">Amazon Prime</a>	• <a href="#">NBA Game Time</a>
• <a href="#">iTunes/ApplesTV</a>	• <a href="#">MLS Live</a>
• <a href="#">PBS.org</a>	• <a href="#">DISH's Sling TV (ESPN)</a>
• <a href="#">ACORN TV</a> (British shows)	• Etc.
• HBO (starting in 2015)	

## Streaming TV – Typically Paid by credit card

Media providers have different payment models:

- Subscription (unlimited viewing each month)
- Rental (movie, TV show episode, sports event)
- Purchase (movie, TV show episode)
- Free (video podcast, trailers, pilot episodes, etc.)



## Is Steaming TV right for you?

1. **Evaluate potential savings** – Yours will depend on the cost of the services you're buying from a cable provider versus the substitute services discussed below.

### A. High-level representative info:

	Cable Packages	Streaming TV
TV	\$ cost varies for each customer	N/A
TV + Internet		~ \$50 - \$70/mn
TV + Internet + Landline Phone		~ \$80 - \$100/mn*
One-time cost**	N/A	~ \$45 - \$120

\* VOIP phone provider (Vonage, etc.) for landline phone

\*\*Buy device (Roku, AppleTV, etc.)

B. More detailed setups & costs – later pages. Remember: There's a relationship between the setup you choose, the media providers (shows) available with that setup and the resulting costs. General guidance: Apple users choose Apple TV or Roku, Android users choose Chromecast or Roku.

2. **Evaluate who has your shows** - Use PC/Mac/Tablet/Smartphone to explore media providers. Examples:

- [www.netflix.com](http://www.netflix.com)
- [www.hulu.com](http://www.hulu.com)
- [www.amazon.com](http://www.amazon.com) (Prime Instant Video)
- [www.apple.com/appletv](http://www.apple.com/appletv)
- [www.mlb.com](http://www.mlb.com)
- [www.nba.com](http://www.nba.com)
- <http://www.bloomberg.com/tv/>
- <http://acorn.tv/featured> (British shows)

3. **Evaluate the viewing experience** – Use PC/Mac/Tablet/Smartphone/Smart TV for a free trial. Examples:

- [www.netflix.com](http://www.netflix.com)
- [www.hulu.com](http://www.hulu.com)
- <https://signup.acorn.tv/>

4. If #1, #2 and #3 are OK, keep reading!

## Steaming TV – Representative Setups

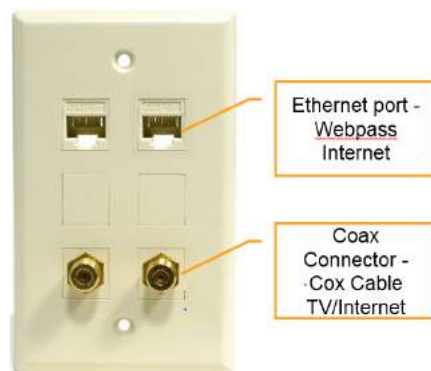
### A. Internet Service Provider

Regardless of the setup you choose, streaming TV image quality is better with a faster Internet connection. Note: [Webpass](#) – currently fastest Internet at Alicante.

Benefits of Webpass' (200 Mb/sec) Internet service are significant:

1. High-speed yields highest quality HD image on TV (when HD shows available from media provider)
2. Streaming TV will not be disrupted by others in your condo using the Internet connection – likely not true with slower Internet services.
3. Faster downloads of software updates for computer, smartphone or tablet
4. Faster upload/download of large files (email with photos, video clips)
5. Video chat (Skype, FaceTime) with steady, high quality image
6. Just-introduced 4K Ultra High Definition TV even more speed intensive

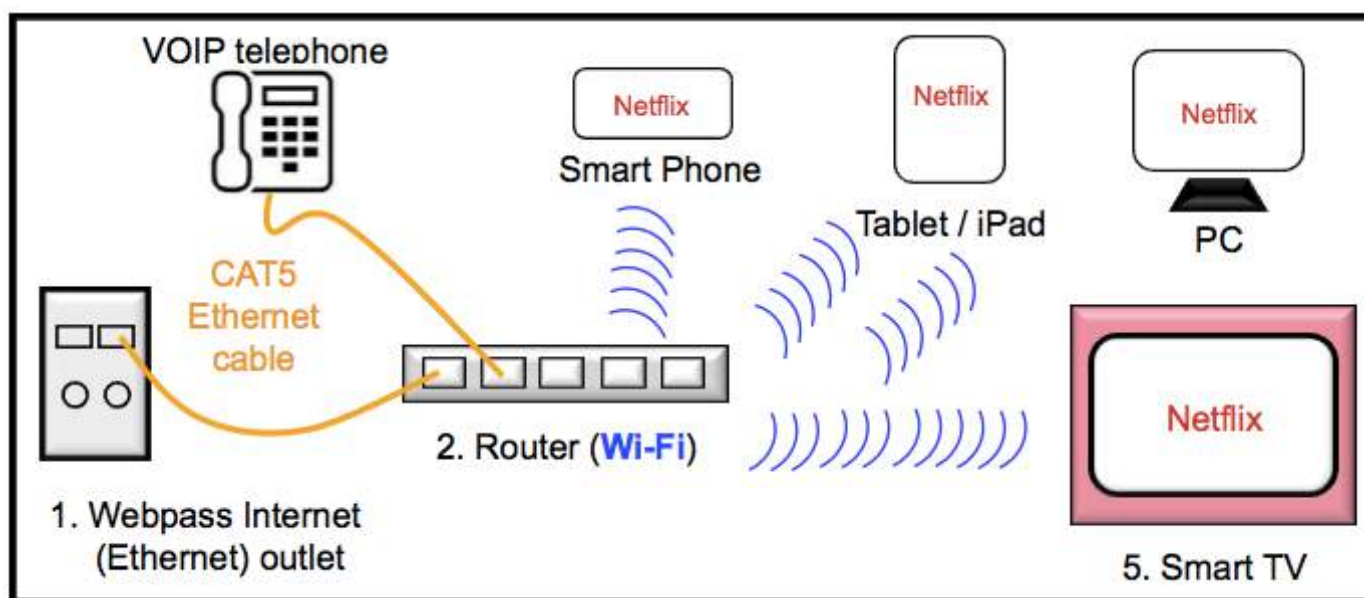
Alicante is pre-wired with Ethernet wiring, enabling Webpass Internet to reach almost any room:



Depending on your setup, the Webpass technician will activate the Ethernet port (above) in the room of your choosing, and provide an Ethernet cable to connect from the Ethernet port (above) to your router (Wi-Fi), computer, or Smart TV.

## B. Representative Setup for Streaming Media to Smart TV

- Use owner's existing Router (Wi-Fi)
- May need to buy CAT5 Ethernet cable
- VOIP (Internet) telephone (e.g.; Vonage) can replace Cox telephone



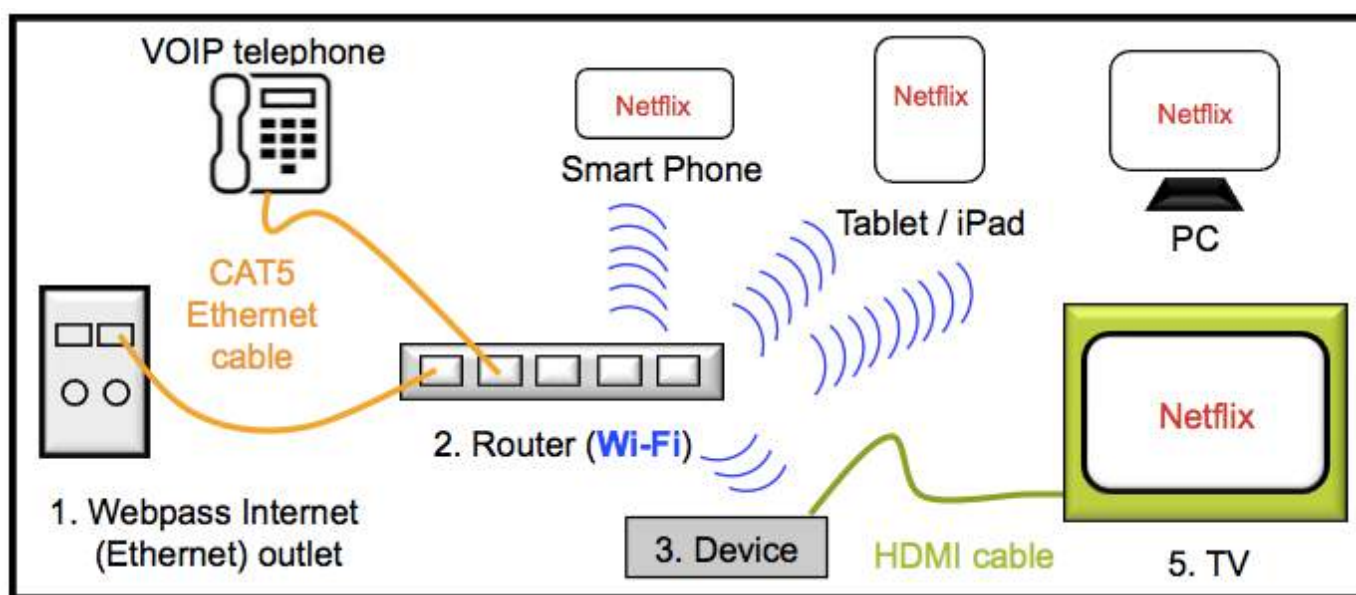
1	2	3	4		5
High-speed Internet	Router	Device	Monthly Subscription(s)		TV Type
Webpass \$42/mn (\$500/yr)	Use existing (\$0)	n/a	video	Netflix \$7.99	Smart TV
				HuluPlus \$7.99	
				AmazonPrime \$8.25 (\$99/yr)	
		Telephone varies	phone	Various providers ~\$28	

One-time purchase

Subscription payment

### C. Representative Setup for Streaming Media to Conventional TV Using Device

- Use owner's existing Router (**Wi-Fi**)
- May need to buy **CAT5 Ethernet cable** & **HDMI cable**
- VOIP (Internet) telephone (e.g.; Vonage) can replace Cox telephone



1	2	3	4			5
High-speed Internet	Router	Device	Monthly Subscription(s)			TV Type
Webpass \$42/mn (\$500/yr)	Use existing (\$0)	Roku \$49 - \$99	video	Netflix	\$7.99	Conventional TV
		AppleTV \$99		HuluPlus	\$7.99	
		Chromecast \$35		AmazonPrime	\$8.25 (\$99/yr)	
		AmazonFireTV \$99		Etc.	TBD	
		HDMI cable \$10				
		telephone varies	phone	Various providers	~\$28	

One-time purchase

Subscription payment

## Setup – High-Level Steps

#	Step	Considerations
1	Sign-up for Webpass Internet service	Technician visit for install.
2	Sign-up for media providers – Netflix, Hulu, Acorn TV, MLB, Sling TV (ESPN), etc.	Your show (e.g.; Masterpiece Theater) may be available from multiple providers, with different costs. Check!
3	Determine Setup: Smart TV or Conventional TV + Device*. Buy streaming device(s) appropriate for your media provider(s).	Using a streaming Device* with Smart TV <i>is possible</i> – and may be easier to use than Smart TV's built-in apps.
4	Buy CAT5 Ethernet cable and HDMI cable if required for your setup	Buy at Amazon.com, Fry's, etc.
5	Setup Device (Roku, AppleTV, etc.) following its instructions	
6	Sign-up for VOIP telephone service	If appropriate for your needs.
7	Enjoy Internet-based video on your TV	And/or PC, tablet, smartphone!
8	Cancel Cox cable service if no longer required....	Or, can use both cable TV & streaming TV.

## **Questions...?**

### **What about my DVR?**

Cable TV:

- Record a show when it's broadcast on cable TV
- Watch it later
- Multiple DVRs/DVR rental fees per house?

Streaming:

- No DVR required/no monthly DVR rental fees
- When you want to watch a movie or TV show, select it for playback from your streaming service (Hulu, Netflix, Acorn TV, etc.)
- Streaming TV works like video-on-demand (VOD) from cable TV provider

### **What about my second home?**

Cable TV: Monthly subscription for each home.

Streaming: Each subscription (Netflix, Hulu, etc.) can be used at all your homes, if each home has fast Internet service.

### **What about local TV?**

At this time, little local TV content is available via streaming TV. Options:

- Watch local broadcast TV using an antenna instead of cable TV. See the separate OMC bulletin on Broadcast TV.
- Reduce your cable TV package to 'local stations' only

## You Have Landline Telephone Options!

Alicante Residents can choose from a variety of landline telephone service providers. The various telephone services have similar features, at various costs, for example:

Landline Telephone Service Provider	Estimated Monthly Cost	Comment
<a href="#">MagicJack</a>	~ \$3/mn (\$35/yr)	<ul style="list-style-type: none"> <li>Connects over condo unit's Internet service.</li> <li>Service may require the purchase of a device.</li> <li>See vendor website for more information.</li> </ul>
<a href="#">OOMA</a>	~ \$4 /mn	
<a href="#">Vonage</a>	~ \$10/mn	
<a href="#">Cox</a>	~ \$25/mn*	*Telephone service typically offered as part of a bundle that includes cable TV and Internet services.

Some Alicante Residents use a landline telephone service provider other than Cox. In some cases, Residents changed their landline telephone service from Cox to an alternate provider when they canceled their Cox bundles. You may want to read the bulletin that describes the steps for switching from a Cox bundle to alternate providers ([Alicante OMC - Switching From a Cox Bundle](#)).

Residents can setup their alternate landline telephone service (and telephone device, if applicable), or they may hire a vendor (e.g.; Best Buy's Geek Squad) to handle the setup for them.



## Tired of Paying for a Cox Bundle?

### You've got Options!

Alicante Residents can meet their telecom needs from a variety of telecom service providers.

Telecom Service		Alternate Providers	Cox Bundle
Internet		<ul style="list-style-type: none"> <li>• <a href="#">AT&amp;T U-verse</a> (800-288-2020)</li> <li>• <a href="#">Webpass</a> (1-800-WEBPASS)</li> </ul>	• Cox Internet
Landline Telephone		<ul style="list-style-type: none"> <li>• <a href="#">MagicJack</a></li> <li>• <a href="#">OOMA</a></li> <li>• <a href="#">Vonage</a></li> <li>• Other VOIP telephone services</li> </ul>	• And/or Cox Telephone
TV	Local Channels	Alicante Off-Air TV System	• And/or Cox Cable TV
	Video-On-Demand	Streaming TV Providers - examples	
	Sports (e.g.; ESPN)	<ul style="list-style-type: none"> <li>• <a href="#">Hulu</a>, <a href="#">Netflix</a>, etc.</li> <li>• <a href="#">SlingTV</a> (ESPN1, ESPN2, etc.)</li> <li>• <a href="#">HBO Now</a>, <a href="#">Showtime</a>, etc.</li> </ul>	
	Premium Content		

Instead of a Cox Bundle, Residents may prefer the features available from Alternate Providers (e.g.; watch movies on your mobile device), or they may select Alternate Providers to save money. The following example shows estimated costs for the Alternate Providers selected:

Telecom Service		Alternate Providers	Estimated Monthly Cost
Internet		<a href="#">Webpass</a>	~ \$60/mn
Landline Telephone		<a href="#">OOMA</a> *	~ \$4/mn
TV	Local Chls: ABC, CBS, PBS, etc.	Alicante Off-Air TV System **	\$0/mn
	Video-On-Demand	<a href="#">Netflix</a> ***	~ \$10/mn
	Sports	<a href="#">SlingTV</a> – ORANGE PLAN *** ( <a href="#">ESPN</a> , AMC, CNN, HGTV, Comedy Central, Cartoon Network, History, Disney Channel, <a href="#">ESPN2</a> , <a href="#">ESPN3</a> , TNT, Food Network, TBS, BBC America, A&E, Viceland, Bloomberg TV, etc.)	~ \$20/mn
	Premium Content	<a href="#">HBO Now</a> ***	~ \$15/mn
		Total	~ \$114/mn

\* Requires purchase of OOMA box. See OOMA website for details.

\*\* Requires one-time connection fee. See below bulletin for details.

\*\*\* Requires purchase of streaming device (Roku, Apple TV, etc.) or use of SmartTV. See below bulletin for details.

More info: [www.alicantehoa.com](http://www.alicantehoa.com) → Owner Services → OMC Bulletins  
[www.vivoportal.com](http://www.vivoportal.com) → Documents → Association Documents → OMC Bulletins

Alicante Residents who'd like to cancel their Cox Bundles may find the following steps helpful:

Step	Description	More Info	Setup
1	Choose your alternate Internet service provider.	<ul style="list-style-type: none"> <li>Internet service is required for the alternate Landline Telephone services.</li> <li>If you'll use Streaming TV Services (<a href="#">Hulu</a>, <a href="#">Netflix</a>, <a href="#">SlingTV</a>, <a href="#">HBO Now</a>, etc.) suggest your Internet speed be at least 10.0 Megabits per second.</li> </ul>	Internet service provider's technician will setup.
2	If you want a Landline Telephone: <ul style="list-style-type: none"> <li>Choose and install your alternate Landline Telephone service.</li> <li>Request your new Landline Telephone Service Provider port your landline phone number from Cox.</li> </ul>	Contact vendors: <ul style="list-style-type: none"> <li><a href="#">MagicJack</a></li> <li><a href="#">OOMA</a></li> <li><a href="#">Vonage</a></li> <li>Etc.</li> </ul>	You setup, or you may hire a vendor (e.g.; Best Buy's Geek Squad) to handle the setup.
3	If you want to use Alicante's roof antenna to get local TV channels, contact the vendor to make the connections.	See Bulletin: <a href="#">Alicante OMC - Off-Air TV System</a>	Vendor's technician will setup.
4a	Choose your Streaming TV services (e.g.; <a href="#">Hulu</a> , <a href="#">Netflix</a> , <a href="#">SlingTV</a> , <a href="#">HBO Now</a> , <a href="#">Showtime</a> , etc.).	See Bulletin: <a href="#">Alicante OMC – Streaming TV</a> .  See <a href="#">this article</a> .	You choose.
4b	Choose your streaming device ( <a href="#">Roku</a> , <a href="#">Apple TV</a> , <a href="#">Amazon Fire Stick</a> , <a href="#">Smart TV</a> etc.) that will enable your Streaming TV services.		You choose.
4c	Purchase and install your streaming device (Roku, Apple TV, Amazon Fire Stick, Smart TV, etc.).		You setup, or you may hire a vendor (e.g.; Best Buy's Geek Squad) to handle the setup.
4d	Register and setup your Streaming TV services (e.g.; <a href="#">Hulu</a> , <a href="#">Netflix</a> , <a href="#">SlingTV</a> , <a href="#">HBO Now</a> , <a href="#">Showtime</a> , etc.).		
5	If you decide you need a DVR	<ul style="list-style-type: none"> <li>Some Streaming TV services include a DVR – more info <a href="#">here</a>.</li> <li>Or, buy a DVR as described in <a href="#">this article</a>.</li> </ul>	You setup, or you may hire a vendor (e.g.; Best Buy's Geek Squad) to handle the setup.
6	Cancel Cox Bundle		