

# Product Guide

2011



**Remote Control - Audio/Video - Network - Home Solutions - Wire and Cable**



Communication, LLC

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## **SJ Communication, LLC Company Overview**

SJ Communication is a small, fast growing, dynamic and flexible company located on the west side of the Big Island of Hawaii. The company started as a joint venture between the two present owners; James Juarez and Patrick Soesman.

James Juarez has extensive knowledge and specialized in creating cable infrastructure (copper and fiber-optic) for residential / commercial buildings, and OSP.

After the university studying computers, Patrick Soesman worked for many years for Lucent Technologies. Where he acquired his knowledge in designing and maintaining large network systems.

SJ Communication is the undisputed leader in cabling and low voltage. Not a job too small or big, 24/7 support, and two owners obsessed with quality, this company truly sets new standards for Hawaii.

## Cable & Wire

The importance of the cable infra structure is often under estimated.



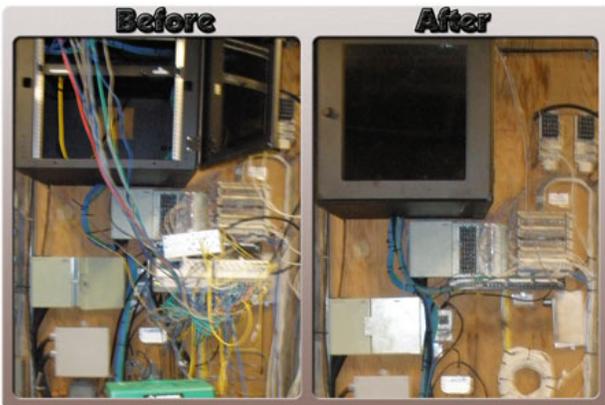
If the base is not solid, the whole network work becomes a house of cards. In recent years there have been some major developments in cabling infra-structure. Cables with broader bandwidths capable of carrying data over larger distances. Equipment that has become more reliable and affordable. All in the never ending quest of distributing more data with greater reliability.

We serve both residential as well as commercial. Services for already build structures mostly consist of cleaning the comm box/server room and test/verify/certify phone, data, and cable locations.

Services for newly build structures consist out of consulting, designing, and wiring of Single or Multi-Mode Fiber-optic, CAT 6 for data, CAT 5 for phone, RG-6 or RG-11 for cable/satellite/CCTV.

We also have extensive knowledge and expertise in Out Side Plant cabling design, installation, and maintenance. We are able to do mechanical and hot-melt splicing of fiber-optic Single or Multi-Mode cable.

### ***Clean Comm Box/Server Room, Test and Certification network***



One of the leading causes of network and internet connectivity problems is bad infrastructure. Unfortunately the quality of a network is not always directly visible. The only way to find out, is with the use of specialized network diagnostic equipment. We have invested time and money to acquire and master the art of data network diagnostics and certification.

The quality of the infrastructure and thus the network is largely depended on:

- The type of cable used (CAT 5/CAT 5e Plenum/CAT 6).
- What type of connectors are used and how they are terminated.
- The distance between the CAT cables for data transport and the electricity cables. If they are too close, due to Electrical Magnetic Interference, cross-talk and interference can bring the network down.
- The accessibility, organization, and physical shape of the infrastructure.



Most buildings face the same dilemma: quite a bit of equipment cramped into a small comm-box/server room. By using space saving techniques and devices, neatly organize equipment, and label wires and jacks we are able to ensure a stable and transparent network.



Our team understands the importance of your company's/home's communications system being fully functional without interruption. We are experienced in upgrading and cleaning comm boxes/server rooms with live networks. With an array of equipment to our disposal we are able to setup temporary networks, in an other effort trying to minimizing down times.

**Clean comm box, test and certify locations entails:**

1. Remove all excess wires and re-terminate wires to correct length.
2. Label both ends of the cable and both connectors.
3. Test and certify each data connection, phone connection, and Satellite/Cable connection. For each connection we will have a detailed overview of the latency, loss, noise of cable and connectors. And what speeds, frequencies and protocols can be accomplished/used on each connection.



4. For the cable/satellite we will test/verify, and if needed adjust, the RF up and down stream levels.
5. Add CAT 5 patch panel for data and 110 block for phone.
6. Remove any faulty or dirty connectors.

Clean Comm Box, Test and Certification of 6 Locations starts at: **\$1,650.00**

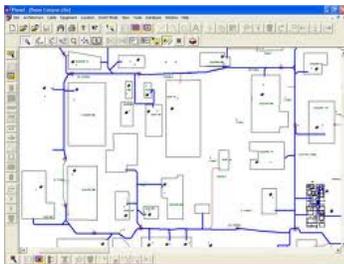
***Clean server room, test and certify locations entails:***



1. Remove/recycle or relocate equipment.
2. Mount all network equipment into lockable cabinets.
3. Remove all excess wires and re-terminate wires to correct length.
4. Label both ends of the cable and both connectors.
5. Test and certify each data connection, phone connection, and Satellite/Cable connection. For each connection we will have a detailed overview of the latency, loss, noise of cable and connectors and what speeds, frequencies and protocols can be accomplished/used.
6. For the cable/satellite we will sure RF up and down stream are within the correct parameters.
7. Change CAT 5 patch panels to CAT 6 panels.
8. Test, verify, and optimize network.
9. Test, clean/polish Fiber-Optic Connectors.
10. Update and program routers and managed switches.
11. Install/correct cooling of equipment.

Clean server room, test and verify location price on request only.

***Design and Consultancy***



In today's competitive marketplace, the need for information demands strategic approaches that take outside plant (OSP) and Structured Cabling engineering to the next level. Enabling an efficient design that provides the most accurate and up-to-date access to critical network information is key to staying ahead.

## Remotes

### ***The SJ Control® - remote for iPad/iPod/iPhone***



The SJ Control® is an application that transforms the iPhone/iPod Touch and iPad into a universal remote control. The SJ Control® app allows you to control all of your home's audio, video, lights, shades, gates, and network camera gear simply and reliably. We focus on a simple user experience that allows non-experts the ability to quickly and efficiently use a powerful custom remote. The app is easy to install and can accommodate as many devices as you wish without limitations.

The SJ Control® comes with a yearly subscription which covers regular maintenance and updates to the app so you will be ready as new devices or technologies develop. You will always be on the cutting edge of technology! The subscription comes with a twice a year physical inspection to assure the devices are updated and in perfect working condition.

How does it work? The SJ Controller app sends all commands via the wireless network to our patented networked device. This device then translates the commands into IR, RS232, and HTTP request depending on the controlled devices. With the integration of the Lutron RadioRA 2 system, your house can truly become a smart home. The Lutron RadioRA 2 system installs very quickly and economically. Generally no new wiring, or just very limited wiring is necessary. The dimmers for lights, shade controllers, fan controllers, gate controllers, etc. all connect and are operated wirelessly. Your imagination is truly the only limitations of this system.

We develop the app to your specific needs. The layout, colors, pictures, and buttons can all be designed to meet your preferences. We can even make the welcome screens dynamic with personalized welcome messages to your guests, weather information, local and/or national events. Truly creating a unique personalized experience for each user.

### Capabilities of the SJ Control®:



- Control all audio-visual systems from one remote.
  - Install The SJ Control® on as many devices allowing each room or zone to have it's own remote.
  - See who is at your door - connect to your intercom camera.
  - View live images from your security cameras from your remote.
  - Open doors and gates from your remote.
  - Control all lights and program different mood settings from your remote.
  - Complete integration with Lutron systems including occupancy and daylight sensors that offer energy efficiency and may qualify for tax savings.
  - Open and close shades from your remote.
- The layout of the SJ Control® is completely customizable. We can generate a layout that is unique to you (colors, family photos, etc.).
  - The SJ Control® is the arguably the easiest and system to operate. We design the layout so only the buttons that you want to use are available reducing confusion on what button to press.
  - The SJ Control® runs on familiar Apple devices with proven reliability/versatility and intuitive control.
  - The SJ Control® is a cost-effective solution that does not compromise quality and functionality. Starting costs for one SJ Control remote to control one Television, one Oceanic Time Warner Cable Box, and one BluRay/DVD Player starts at **\$995.00** (excludes cost for Apple devices).



## ***Universal Remote Control Home Control***

Forgot to point the remote in correct direction, and now nothing works any more? Is the table littered with a wide array of remotes? Want to control the lights and shades from the comfort of a remote control? Universal Remote Control has a solution for you.

### ***MX-880 with RF connection***



Immediate access to all of your equipment in brilliant color! With its bright 2" LCD screen, the MX-880 gives you a gorgeous color interface that goes beyond remote replacement. The graphic capabilities of the MX-880 allow your installer to customize your remote with one of several colorful themes. Accessing a favorite channel is accomplished by selecting an easily identifiable station logo of your favorite television network, for example. You have not experienced channel surfing until you have used an MX-880.

Pick up the MX-880 and experience the superior ergonomics and button layout that are a hallmark of URC design. Universal Remote Control has even incorporated some of the advanced features its high-end remotes in the MX-880. Automatic motion sensing turns on back lighting when you pick up your MX-880. With its rechargeable battery and included AC adapter you never have to worry about having extra batteries on hand.

Experience the freedom of control wherever and whenever you want with the MX-880 and a Universal Remote Control wireless base station. With the MX-880, the ability to automate any component anywhere in the house is just a button push away.

In order to eliminate pointing and increase the usability of the MX-880 remote we use URC's MRF-350. The MRF-350 is the versatile companion RF base station for URC's many narrow band remote controls. The MRF-350 receives Narrow Band RF (radio frequency) signals via the RFX-250 RF Sensor (antenna module). The RFX-250 displays RF interference via a bright red LED which flickers when interference is present. Simply relocate the RFX-250 out of the interference area to resolve the problem. The base station features six



adjustable (variable) line outputs which provide an additional degree of fine tuning for devices susceptible to IR overload. The MRF-350's rear panel also includes an IR input which will relay IR data from IR repeaters or multi-zone keypads to all IR line outputs (does not support IR routing).

URC MX-880 with MRF-350 for one TV, one cable box, and one BluRay/DVD start at: **\$950.00**

### ***MX-980 with MSC-400***



The MX-980 is a premium, state-of-the-art custom remote without a premium price. Replace every remote in your household with the MX-980 and experience transparent device operation everywhere. Pick up the MX-980 and experience superior ergonomic design and button layout optimized for your ease of use. Your thumb is never out of reach of critical controls.

Your new MX-980 is much more than a replacement remote. Advanced control tools provided by Universal Remote Control give your MX-980 the ability to orchestrate even the most complex system operation. Control your lighting and other devices you never dreamed possible, and do it all with one button press.

Experience the freedom of control wherever and whenever you want with the MX-980 and a Universal Remote Control wireless base station. With the MX-980 the ability to turn on or off any component anywhere in the house is just a button push away.

In order to obtain the maximum benefits of your home control system, we recommend a system controller, especially if your set-up is larger or more sophisticated than average. System controllers are components that transparently receive radio frequency (RF) commands through walls, doors, and floors from your remote to operate your components. With a system controller like the MSC-400 orchestrating your equipment, you no longer have to point the remote at your equipment to operate it. In fact, the MSC-400 can execute some commands without the need for any remote controls.

You will be amazed by the feats of magic the MSC-400 can perform. As is true with any URC base station, with it you can centralize and

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store the equipment for an entire house behind closed doors in a cabinet. It gives you the ability to turn off all of the TVs in the house at the touch of a single button, or adjust the volume of your music while you are out on the patio.

A system controller is more powerful than a simple base station, however. Imagine your child switching on their favorite game console and the MSC-400 responding by automatically turning on the TV, Audio Receiver and changing to the correct inputs automatically. Or plugging in the family camcorder and watching while the MSC-400 configures your system to watch a home movie.

URC MX-980 with MSC-400 for one TV, one cable box, and one BluRay/DVD start at: **\$1,500.00**

## Audio/Video

No matter your preferences, we will be able to design, install and program the perfect audio-video system for you. From simple and economical one TV installations to advanced professional 9.2 surround sound theater systems with rear projection filmscreens.



We are Distributor/Dealer/Representative for a large selection audio and video manufactures. We carry almost all major brand TVs, receivers, optical disk players, and wall mounts. The way we see it, the only real challenge is to figure out what you want!



### ***The Ultimate sound system***

Dreaming of a superior sound system? The following system is the top of the line. According to the more notable sound magazines this is the system for the true audiophiles.

#### ***Definitive Technology Front Speakers BP7002***

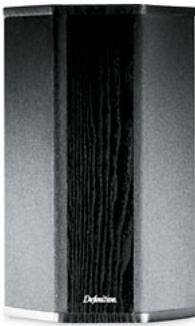


Life-like, spacious sound for every listener in the room. The Bipolar SuperTower™ series combines bipolar speaker design with Definitive's SuperCube® subwoofer technology to give you spacious, lifelike sound and rumbling bass. The BP7002 is Definitive's flagship bipolar speaker, using both front- and rear-firing driver arrays to radiate full-range sound in all directions. Even in large rooms, every listener will experience a huge, three-dimensional sound stage with both music and movies.

Each speaker array in the BP7002 consists of two 5-1/4" mid/bass drivers with a 1" dome tweeter. This bipolar design means that direct sound from the front drivers arrives at your ears first, to provide clear, focused imaging. That's followed by sound from the rear drivers, which is slightly delayed, to enhance spaciousness. The combination creates a lush, seamless sound stage that's more like the way we hear sounds in real life.

- Dimensions | Metric :7-1/4" W x 16" D x 46-1/4" H | 18.4 x 40.6 x 117.5 cm
- Driver Complement :Two 1" pure aluminum dome tweeters; Four 5-1/4" high definition upper bass/midrange drivers; One 12" long-throw subwoofer coupled to two 12" Low Bass radiators
- Frequency Response :15 Hz - 30 kHz
- Impedance :Compatible with 8 Ohms outputs
- Sensitivity :92 dB
- Recommended Associated Amplifier Power :20 - 400 watts
- Internal Amplifier Power :300 watts
- A/V Receiver Crossover Setting :Large; Full Bandwidth
- Auto On / Off :Signal Sensing (US) | Signal Sensing and Switched (International)
- Available Finishes :Piano-Gloss Black
- Accessories :Stabilizer Bars; Feet; Isolation Spikes
- Weight | Metric :77 lbs | 34.9 kg

### ***Definitive Technology Rear Surround Speakers BP2X***



The Definitive Technology BP2X Full-Range Bipolar Surround Speakers utilize state-of-the-art components (high-definition bass/midrange drivers with butyl rubber surrounds, wide-dispersion pure aluminum dome tweeters with magnetic cooling fluid, complex Linkwitz-Riley crossover networks, and a solid monocoque cabinet with a diffraction-less grille/baffle interface) in order to achieve the most lifelike sound possible in your listening room. The BP2Xs are a compact, high-quality bipolar (equal sound radiates both front and rear) speaker intended primarily for use as rear or side surround speakers in a Dolby Pro Logic, DSP, DTS, or Dolby Digital surround sound system. In addition, the BP2X can also be used as "front effects" speakers in multi-channel DSP systems or as front main left and right speakers. The Definitive Technology BP2Xs are true bipolar speakers, containing two complete full-range speaker systems; one on each side of the cabinet. Definitive's Bipolar technology radiates sound from the front and the back of the speaker for more life-like sound and spacious imaging for every listener in the room. Bipolar technology combines the performance advantages of direct radiating (imaging, focus, localization, and specificity) and dipolar speakers (spacious, all-enveloping ambiance) into one ideal speaker which is perfect for all multi-channel formats. The BP2X tremendous dynamic range, as well as true high-definition sound quality, combined with its bipolar radiation pattern results in total immersion in the sound field.

- Dimensions | (Metric) :9-3/16" W x 5-15/16" D x 14-1/2" H | 23.3 x 15.1 x 36.8 cm
- Driver Complement :Two 1 inch aluminum dome tweeters; Two 5-1/4 inch high definition bass-midrange drivers
- Frequency Response :45 Hz - 30 kHz
- Impedance :Compatible with 8 Ohm outputs

- Sensitivity :90 dB
- Recommended Associated Amplifier Power :10 - 200 watts
- A/V Receiver Crossover Setting :80 Hz
- Inputs :One set of 5 way binding posts
- Available Finishes :Matte Black
- Weight | (Metric) :12 lbs | 11.3 kg

### **Definitive Technology Center Channel C/L/R3000**



Optimum surround sound home theater reproduction places heavy demands on the center channel speaker, which in many respects is the main speaker in the system and often handles 50% or more of the program material. It is no place to compromise and settle for second best. Because of this, Definitive pioneered the concept of full frequency range high-definition center-channel speakers. All Definitive center channel and C/L/R Series models are

designed with the same rigid standards and high performance goals as main left and right front speakers and feature wide frequency response and extended dynamic range with extraordinary detail and articulation.

The revolutionary C/L/R3000 features a powerful built-in 10 inch powered subwoofer driven by a 150 Watt digital amplifier. Its upward-firing long-throw woofer only requires 1" of clearance, so it works perfectly whether you open-mount it or put it in a cabinet. The purpose of putting a subwoofer in the center channel, beyond putting more bass energy into the room, is to add full bass capability to the center channel itself. The difference this makes is absolutely audible and very dramatic. It gives you a truly full dynamic range and full frequency center channel that actually outperforms many floor-standing main L&R speakers, allowing you to set the center channel setting on your Dolby Digital receiver to "Large." With the C/L/R3000 you will fully realize the performance potential of the center channel program material as the movie director intended it to be heard.

- Dimensions | (Metric) :25" W x 8-5/16" H x 16" D | 63.5 x 21.1 x 40.6 cm
- Driver Complement :One cast basket 10" sub; Two cast basket 6-1/2" upper-bass/midrange drivers; One 1" pure aluminum dome tweeter
- Frequency Response :19 Hz - 30 kHz
- Impedance :Compatible with 8 Ohm outputs
- Sensitivity :91 dB
- Recommended Associated Amplifier Power :20 - 400 watts
- A/V Receiver Crossover Setting :Large; Full Bandwidth
- Internal Amplifier Power :150 watts
- Auto On / Off :Signal Sensing (US) | Signal Sensing and Switched (International)
- Inputs :Three sets of five way binding posts: Triwireable; One full range low level RCA
- Available Finishes :Piano-Gloss Black

## **Pioneer Elite SC-09TX**



Go beyond sound as you know it. Go beyond technology as you've ever experienced it before. Enter the world of Pioneer Elite®. A world dedicated to the pursuit of pristine audio. A world where advanced technology performs in perfect harmony with outstanding sound quality. A world where AIR Studios™ Sound

Tuning ensures music is reproduced, as close to its original sound as possible. It's a world so unbelievably crisp, so undeniably clear and so completely pure, it will change the way you listen forever.

- Amplifier Design: Direct Energy HD
- Surround Power: 140W x 10 (20Hz - 20kHz, .05% THD @ 8 ohms, All Channels Driven)
- Stereo Power: 200W x 2 (20Hz - 20kHz, .05% THD @ 8ohms, All Channels Driven)
- Symmetrical Power Train Design
- Audio Processing
- Dual SHARC EX + Freescale DSP Engines
- Air Studios™ Tuning
- THX™ Ultra2 Plus
- PQLS for Audio iLink
- iPod® Digital
- Room Calibration: Advanced MCACC 9 Band EQ
- Full-Band Phase Control
- Standing Wave Control
- Front Stage Surround: (Focus,Wide)
- Advanced Surround Modes: (13+1) Modes
- Sound Retriever - Multi
- Dolby True HD
- Dolby Digital Plus
- Dolby Pro-Logic IIX
- Dolby® Digital EX
- Dolby® Digital 5.1
- DTS® 5.1
- Sampling Rate Converter
- Neural-THX Surround Decoder
- Dimensions (inches): 17.34 x 9.73 x 18.87 (WxHxD)

Call us for price.

## Phone/Security

### *Long Distance Phone System*



The range of this digital cordless phone system is an amazingly 980 feet, and with repeaters up to 2940 feet! The system is expandable with up to 10 cordless handsets. The highlights are: each handset has 50 Name/Number Caller ID, Music on Hold, Speed Dial, Push-to-Talk intercom, 100 Name/Number Phonebook Directory, 3-Party Conferencing. The system is easy to install, eliminating expensive installation costs.

A one base, 4 handset system starts at: **\$1.350.00**

### *Intercom system*

Unfortunately all electronics devices here on Hawaii that are outside, need to be very well protected. Especially the salt is very harmful. Copper lead left untreated will start to oxidize and turn green within days. Fortunately Viking Electronics has the right products for us. The Viking K 1700 All Weather Proof Intercom with keypad will not let you down.

Intercom systems start at: **\$895.00**



### *IP Web cameras and CCTV Security Systems*



It is now possible to very easily and cheap watch your property from anywhere in the world with wireless IP security cameras. No need for major wiring any more. The cameras use the existing wired or wireless network. You can then watch them from our SJ Control Remote app for iPhone/iPod/iPad or any browser anywhere in the world.

Simple IP Web Camera installation starts at: **\$295.00**

## Light

### *Lutron Light Systems*



Finally Lutron has created an economically viable system to control your whole house. Not long ago you had to spend a fortune in order for an electrician to wire your whole house to be Lutron compatible. Now we only have to install the dimmers, and program the controllers for as many comfort settings as you desire. From simple one dimmer to whole house climate, lights, shades all is possible with little to no rewiring. Simple system starts at **\$345.00**

## Dealership/Distributor/Representative of:

- Authorized Apple Developer
- Universal Remote Control
- Nuvision
- Denon
- Definitive Technologies
- Sonance
- Lutron
- RTI
- Sony
- Xantech
- Key Digital
- Monster Cable
- Viking Electronics
- Pioneer Electronics
- Linksys
- Dedicated Micros
- Siemon
- Belkin Cable
- iPort
- ADI
- Almo
- SmartHomes
- Boston Acoustics
- Chief
- KEF
- Leon
- Sanus
- Séura
- SIM2
- Stewart Filmscreen
- Velodyne

