SPRING 2014 CATALOG

COMPLETE
SOLUTIONS

LEADING, SIMPLIFYING, AND SUPPORTING

PACE

www.paceintl.com | 1.800.444.PACE

History

Pace International is an industry-leading automation and procurement specialist with expertise in supporting communication systems worldwide. Since 2008, Pace has been the DISH® National Authorized Distributor for hardware and content. Pace offers both solutions to PCOs and integrators to serve their markets and provide solutions to offer voice, video, and data services anywhere in their communities. Founded in 1972, Pace International's corporate headquarters are located in Rochester, Minnesota.

Mission Statement

Leading, simplifying and supporting the integration of hardware and content solutions within a complex communications marketplace.

Pace International Corporate Office

3582 Technology Drive NW

Rochester, MN 55901

800-444-PACE (7223)

507-288-1853 Local

507-285-0428 Fax

www.paceintl.com

40+ years

Pace is Celebrating 40+ Years of Service!

1972   2014

contents

Category	Products	Brands
Audio/Video	Amplifiers, Commercial Audio, HDMI, IR Controls, Mixers, Network Audio, Patch and Pre-Made Cables, Speaker Wire, Speakers, and TV Mounts	Dynex, Insignia, MVP, Peerless, Platinum Tools, Rocketfish, Sanus, TOA, Tradewind, and Xantech
Bonding and Grounding	Connectors, Ground Blocks, Ground Straps and Clamps, Lag Bolts, Pipe Clamps, Split Bolts, and Wire	Allied Bolt, Belden, EZ Fabrication, King Controls, Pace, and Tradewind
DISH	Accessories, DISH Approved Products, Hard Drives, LNBs, Messenger Cables, Mounting Accessories, Receivers, Remotes, RV/Mobile Satellite Antennas, Sling Adapters, Smartbox, and Taps	DISH, King Controls, and Winegard
Fiber Optic Products	Amplifiers, Attenuators, Chassis, Cleaning Kits, Fiber Demarcation Boxes, Fiber Optic Jumpers, Inspection Equipment, Patch Cords, Pigtail Jumpers, Splice Trays and Blocks, Splicing, Splitters, Test Equipment, Tools, and Transmitters	AFL, Fiberdyne, Olson Technology, PCT, and Televes
HDMI	Amplifiers, Angle Adaptors, Cables, Connectors, Couplers, Extenders, Matrix and Mini Switches, Splitters, and Wall Plates	Etekcity, Pace, Tradewind, and Vanco
QAM	Adapters, Amplifiers, CoaxData, Combiners, Edge QAM, HD over Coax, Headend Controllers, Meters and Testers, modulators, Power Supply Units, QAM Encoders, QAM HD, and Transmodulators	Televes, ZeeVee, and Others
Satellite and Terrestria	Amplifiers, Converters, Mounting Systems, Power Supply Units, Satellite Antennas, Signal Meters, Splicing Blocks and Trays, Transmodulators, UHF/VHF Antennas, and Wall Mounts	Chief Manufacturing, DISH, Pico, Sonora, Steren, Televes, Tradewind, and Winegard

For a full list of products, visit or call us at:

www.paceintl.com | 1.800.444.PACE

Category	Products	Brands
Signal Distribution	Jumpers, Line and Phone Cords, Speaker Wire, Splice Trays, Splitters, and Wire	AFL, Allied Wire, EZ Fabricating, Steren, and Tradewind
SMATV Headend Equipment	Combiners, Digital/QAM Modulators, Fan Racks, Headend Controller, Mini and Full-Sized Modulators and Demodulators, Power Strips, Power Supplies, Processors, Rack Plates, Racks and Cabinets, Sliding and Rotating Racks, and Wall Mountable Racks	EZ Fabrication, MVP, PICO, Televes, Tradewind, and ZeeVee
Tools	Batteries, Battery Chargers, Bits, Blades, Bolts, Carrying Cases, Cleaning Supplies, Crimp Tools, Cutting Tools, Drills, Dry Wall Supplies, Electrical Tape, Extension Cords, Fasteners, Flashlights, Hacksaws, Hammers, Hand Trucks, Hex Keys, Ladders, Levels, Mallets, Nut Drivers, Pliers, Power Strips, Safety Supplies, Sanders, Screwdrivers, Screws, Socket Extensions, Soldering Tools, Stud Finders, Tape Measures, Test Lead Kits, Testers, Tool Belts, Vaccums, Vise Grips, Washers, Work Gloves, and Wrenches	ACE, Allied Bolt, Black & Decker, Bosch, DeWalt, Fluke, Hilti, Hitachi, Irwin, Ivy Classic, Klear Screen, Klein Tools, Louisville, Milwaukee, Phillips, Shop Vac, Stanley Techspray, Tradewind, and Triplett
Wire and Cable	Cable and Category Jumpers, HDMI Cables, RCA Cables RG6 Coax, and Speaker Wire	Belden, CommScope, MVP, Pace, Tradewind, and Vanco
Wire Management	Adapters, BNC Connectors, Cable Caddies, Cable Splice, Compression Tools, Connector Rings, Connectors, Couplers, Extenders, F-Connectors, Hex Connectors, Jacks, RG59/RG6 Connectors, Nail Clips, Plugs, Punch Down Tools, Raceway Parts, Replacement Stripper Blades, Snap-N-Seal Connectors, Speaker Wire, Staple Guns, Strippers, Terminators, And UR Scotchlocks	3M, B.E.S., ICM, Pace, Platinum Tools, Steren, Thomas & Betts, Tradewind, And Wire Trak

To place an order, visit www.paceintl.com or contact your Account Manager.

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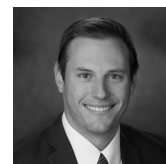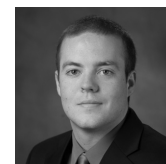Sr. Account Manager
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We are located at: 3582 Technology Drive NW Rochester, MN 55901

LEADING, SIMPLIFYING & SUPPORTING

Complete Hardware and Content Solutions

Pace, the authorized hardware and content distributor for DISH is your source for comprehensive multi-family solutions. From system design to deployment, technical support and billing, the DISH experts at Pace can help.

- DISH hardware and content
- Headend and distribution products
- QAM products and solutions
- Fiber products and solutions
- System design for L-band, digital and fiber
- Headend Build, Balance, and Burn services
- Technical support services
- Same day shipping for DISH products
- Marketing support
- Training
- ROI modeling
- Payment terms for qualified customers

Hardware Purchasing Made Simple

eDistribution™, our one of a kind online ordering tool makes researching, ordering, tracking, and procurement simple. Sign up at www.paceintl.com/products or call your account manager for your login and password.

System Design and Technical Support

We can help you with all of your system design needs, whether you are equipping new properties or making upgrades. We will design the system, supply the equipment, and make sure your deployment is supported along the way.

Your Hardware and Content Partner

When deploying your next system, we will help you deliver DISH programming to your customers, from start to finish.

Alliance Billing by Pace

- Native support for DISH billing
- Secure, safe, encrypted payment processing
- Simple, fast, and affordable

Top brands we carry:

ALLIANCE BILLING™

Alliance Billing allows you to manage your properties and subscribers, bill them for DISH programming and any other type of products or services you are selling, either as one-time charges or subscriptions. Collect payments via cash, check, credit and debit cards, print and email statements, and perform reporting all in one. Alliance Billing gets it all wrapped up in a simple, fast, and cost-effective way.

Alliance Billing has what you need

* Native support for DISH Billing. Alliance Billing has native support for processing the DISH Group Report file along with error checking, taxing rules and GL account assignments. You can now bill your customers' DISH charges in minutes and not hours.

* Secure, Safe, Encrypted. Alliance Billing uses 256 bit SSL encryption, so you know your data is safe. In addition, all of your data is stored in our secure data warehouse, so you never need to be concerned about losing or having to backup your data.

* Reoccurring subscriptions coupled with customizable subscription rules allow for a variety of options to fit your business needs

* Customer Portal – Allows your customers to view past statements and pay online with a credit card

* Simple, fast, and ffordable

* Authorize.net integrated

* Automated credit card processing

* Flexible subscriptions with rules you can define

* Payment processing

* Prorating

* Reporting

* Flexible taxing

* Flexible GL Account support

* Customizable statements

* Unique product catalogs for each property

For more information please contact Opie Williams

Opie Williams

opie@paceintl.com

1-800-444-PACE (7223)

www.paceintl.com/solutions/alliance-billing

ALLIANCEBILLINGSERVICES™

Get Everything on One Bill

The ability to bundle a bill is a proven retention tool and allows you to retain the value of your voice and data products while mitigating expense.

Customize with your logo and company information.

Test Company
123 Any Street
Any City, MN 55901

Property Name:	The West Side
Account Number:	10609
Dish Account Number:	8255-7070-1111-1111
Statement Date:	4/5/13
Statement Number:	15552
Billing Questions:	(507) 555-5555

Previous Account Balance:	$0.00
Payments:	$0.00
Adjustments:	$0.00
Late Fee:	$0.00
Current Charges:	$5,046.48
Total Amount Due:	**$5,046.48**

The West Side
2614 Highland Ridge Attn Accounts Payable
Rochester, MN 55990

Combine other services onto a single bill.

Summary of Current Charges for service address 123456 Any Street, Any City, AS 55934

Description	Amount
01/14/2013 to 02/13/2013 - LOCALS	$151.00
01/14/2013 to 02/13/2013 - HBO	$1,078.14
01/14/2013 to 02/13/2013 - AMERICA'S TOP 120	$3,143.82
1/14/2013 to 1/24/2013 (Prorated for 11 days) - High Speed Internet - Main Wifi	$53.23
1/25/2013 to 2/24/2013 - High Speed Internet - Main Wifi	$150.00
1/14/2013 to 1/24/2013 (Prorated for 11 days) - Cable Maintenence Fee	$88.71
1/25/2013 to 2/24/2013 - Cable Maintenence Fee	$250.00
1/14/2013 to 1/24/2013 (Prorated for 11 days) - High Speed Internet - Leasing Office	$21.29
1/25/2013 to 2/24/2013 - High Speed Internet - Leasing Office	$60.00

Sales Tax	$50.29
Total Current Charges	**$5,046.48**

See reverse side for important information about your bill   Page 1 of 2

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT PLEASE MAKE SURE ADDRESS SHOWS THROUGH WINDOW

The West Side
2614 Highland Ridge Attn Accounts Payable
Rochester, MN 55990

Due Date:	5/5/13
Account Number:	10609
Statement Number:	15552
Amount Due:	**$5,046.48**

Any Company
123456 Any Street
Any City, AS 55555

Amount Enclosed: $ _____

Office Use Only: PCOID: 1005 PID: 10609 SID: 0
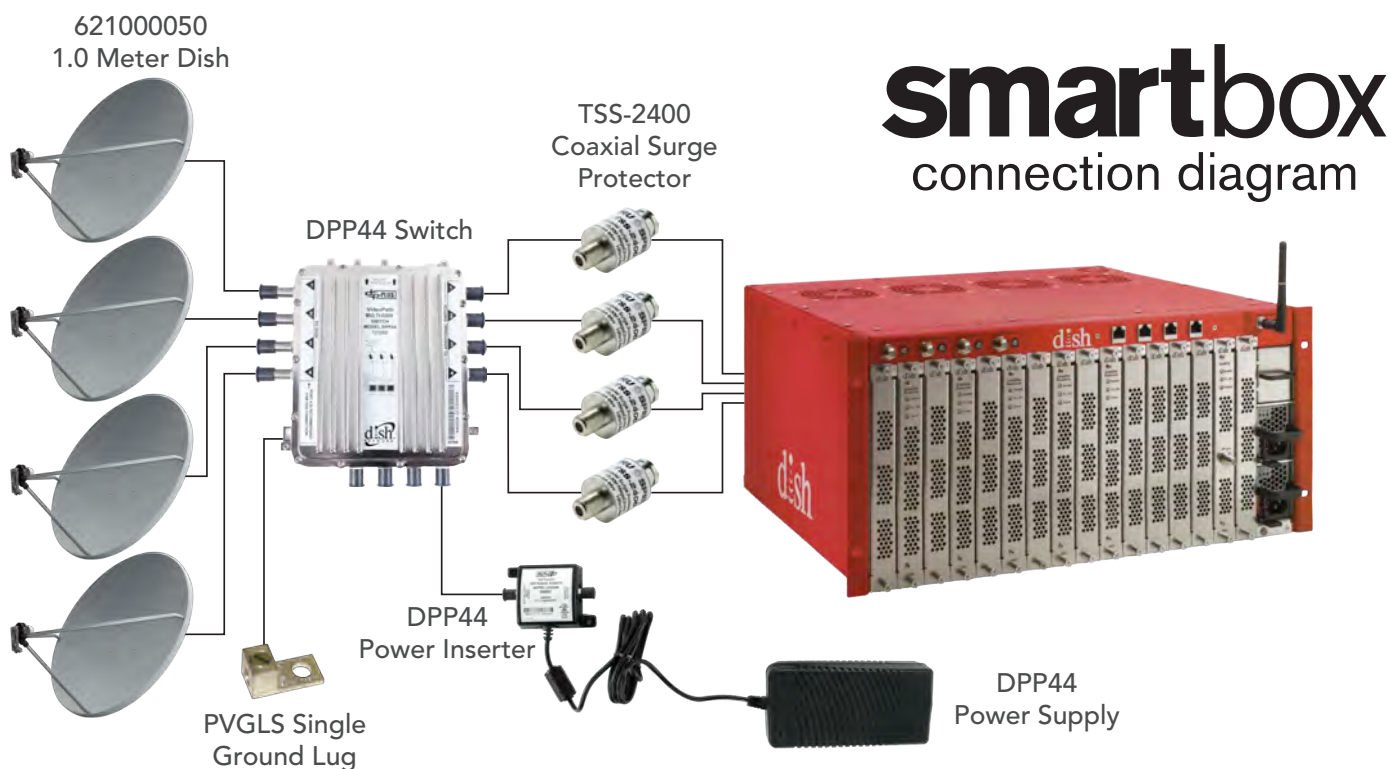
DISH EQUIPMENT

pure genius

8 ¾"
15 ⅞"
17 ¾"

Introducing **smart**box from DISH, a revolutionary new video platform for the FTG market. **smart**box is the single solution for your entire property portfolio, delivering energy efficiency, flexibility, redundancy and requiring less space.

smart innovation

- Deliver HD at the lowest cost per channel. All guests can now experience HD where they once had to be satisfied with watching SD analog.

- Bring the best possible experience to every TV on your property from a single device. For example, HD for the guest rooms and public-viewing areas and analog for the treadmill.

- Allows accommodation in existing equipment rooms with a physically small size of 5RU. The chassis can be wall-mounted or rack-mounted, depending on your needs.

- More than 40 possible system configurations can be created using a single **smart**box.

- Monitoring power, system health and configuration are implemented with the integrated wireless modem. Remote management is also fulfilled with the same integrated wireless modem.

- Quick and efficient installations through the integration of all input and output signal processing normally associated with FTG video platforms.

- 40 channels of HD digital FTG TV require fewer than 300 watts of power. That is up to 90% less power consumption than current systems. The low power consumption combined with an operating temperature range of up to 122°F alleviates the need to upgrade cooling systems.

smartbox connection diagram

621000050
1.0 Meter Dish

TSS-2400
Coaxial Surge
Protector

DPP44 Switch

DPP44
Power Inserter

PVGLS Single
Ground Lug

DPP44
Power Supply

smartbox technical specs

chassis

General:

Dimensions (H x W x D)	8.7 x 17.6 x 15.8
Line Voltage	90 to 264 VAC, 47 to 64 Hz
Power Consumption	MAX 1500W
Operating Temperature	0 to 50 C

Blade Options:

Satellite Receiver Blade	1 to 12 blades
ATSC Receiver Blade	0 to 3 blades
QAM16 Blade	0 to 2 blades
NTSC Analog Blade	0 to 3 blades

Satellite Inputs (from LNB):

Frequency Range	950 to 2150 MHz (Stacked LNB)
Input Level Per Carrier	-65 to -25 dBm to aggregate
Return Loss	>15 dB
Impedance	75Ω
Connectors	4 x F-Female

IP Input/Output:

Connections (4)	RJ-45, GbE, Full Duplex, Auto-Neg
Addressing	Unicast, Multicast (IGMP v1/2/3)
Transport Protocol	UDP/IP
Transport Format	SPTS
IP Management	HTTP, TR-069
Local User Interface	Web browser

Wireless Interface:

Connector	SMB
Impedance	50Ω
Receiver Sensitivity	-105 dBm (typical)
Transmit Power	+24.5 dBm (typical)
CDMA EV-DO Rev A	800/1900 MHz - 3.1 Mb/s (forward link), 1.8 Mb/s (reverse link)
SMS	MT/MO PDU / Text mode

satellite receiver blade

Dimensions (H x W x D)	7.5 x 0.9 x 14.5
Power Consumption	30W (typical)
Satellite Channels	8 transponders and/or 8 programs
Modulation Rates	DVB-S: 1 to 45 Msps 1/2, 2/3, 3/4, 5/6, 7/8
	DVB-S2: 5 to 33 Msps
	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
	Turbo FEC: 2 to 30 Msps
	QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
	8PSK: 2/3, 3/4, 4/5, 5/6, 8/9
Acquisition Range	±5 MHz
Tuner Step Size	100 kHz
Optional Modules	Transcoder

ATSC receiver blade

Dimensions (H x W x D)	7.5 x 0.9 x 13.5
Power Consumption	20W (Typical)
Connector	F-Female
ATSC Frequencies	8 carriers and/or 8 programs
Frequency Range	42 to 1002 MHz
Input Level Per Carrier	-83 to -5 dBm
Return Loss	>15 dB
Impedance	75Ω
Optional Modules	Transcoder

QAM16 blade

Dimensions (H x W x D)	7.5 x 0.9 x 13.5
Power Consumption	25W (typical)
Connector	F-Female
Output Frequency	45 to 1003 MHz
Channel Bandwidth	16 channels, 2.24 to 8.05 MHz
Modulation	ITU-T J.83 Annex A, C (16QAM, 32QAM, 64QAM, 128QAM or 256QAM) ITU-T J.83B Annex B (64,256QAM)
QAM Symbol Rate	2.0~7.0 Msps
Interleaving	128/1 Annex B, 12/17 Annex A,C
Channel Plans	EIA, HRC, IRC, Manual
Output Frequency Accuracy	125 Hz
Baud Rate Accuracy	<10 ppm
Output Level	45 dBmV effective pre-combined output power
Output Attenuation	0 to 10 dB (0.5 dB step)
Output Level Flatness	(45 to 864 MHz) ±1 dB, (45 to 1003 MHz) ±2 dB
Spurious	> 60 dBc (in 4MHz)
Output Impedance	75Ω
Output Return Loss	>11 dB

NTSC analog blade

Dimensions (H x W x D)	7.5 x 0.9 x 13.5
Power Consumption	70W (typical)
Connector	F-Female
Maximum Number of NTSC Channels	24 NTSC RF with stereo audio
Frequency Range	54 to 519 MHz
Band Plan	STD, HRC, IRC
Output Level 24 NTSC Channels	45 dBmV equivalent
Output Adjust Range	10 dB
Attenuation Steps Increment	0.5 dB
Output Impedance	75Ω
Output Return Loss In-Band	≥-12 dB 54 to 519 MHz
RF Flatness Response	± 1 dB 54 to 519 MHz
Carrier Frequency Stability	5 kHz Std channel
Audio/Video Ratio	15 ±5 dB

transcoder module

Dimensions (H x W x D)	6.0 x 0.8 x 4.5
Power Consumption	30W (typical)
Conversions Supported	MPEG-4 to MPEG-4 either HD or SD with lower output bit rate (transrating) with no format conversion
	MPEG-4 to MPEG-2 either HD or SD with no format conversion
	MPEG-2 to MPEG-4 either HD or SD with no format conversion
	MPEG-2 or MPEG-4 HD to MPEG-2 SD with format conversion to 480i with no cropping

dish

smartbox Rack
SBWM7S

Rackbar Surge Protection
CPS1215RMS

This 12-outlet (6 front and 6 rear) rack mount surge suppressor provides 120V 15A

PFC Sinewave Series
OR1500PFCRT2U

▸ 1500VA / 900W Pure Sine Wave UPS
▸ Line-Interactive Topology
▸ AVR & GreenPower UPS™
▸ 2U Rack/Tower Convertible
▸ Multifunction Rotatable LCD Display
▸ 8 Outlets with USB, Serial and EPO Ports
▸ EMI/RFI Filters
▸ PowerPanel® Business Edition

AVR Series
CP1200AVR

▸ 4" x 9.75" x 13.25"
▸ UPS topology - line interactive
▸ Energy saving GreenPower UPS™ Bypass Technology

XD230 Networked Player
XD230

Powerful video engine capable of dual Full HD 1080p 60 video decoding, upscaling 1080p video to 4K resolution and simultaneous content playback from local, networked and streaming sources. Abundant content support including HTML5 and 3D content. And UDP network control for messaging between BrightSign and third party devices.

XD1030 Networked Interactive Player
XD1030

All the features of the XD230 plus S/PDIF output for pure digital and surround sound audio and a diverse range of interactive controls such as GPIO, serial, USB, UDP and mobile devices, for engaging interactive displays.

XD1230 Networked Interactive Player with Live HDTV
XD1230

Includes all the features BrightSign offers plus Live HDTV playback, so you can play content from any broadcast channel (even HDCP protected content) via the HDMI input and content from cable TV or closed circuit TV broadcasts via the ATSC/Clear QAM tuner.

Coaxial Surge Protector
TSS-2400

Single Ground Lug
PVGLS

Adjustable Wrist Strap w/ 6' Coil Cord
B9608

▸ Anti-static adjustable wrist strap
▸ Used when working with computer or electronic equipment

ESD Mat with 6' Ground Cord

Part #	Size
BW021212	12" x 12"
BW0212084	16" x 24"

FlatWave Air Outdoor Amplified HDTV Antenna
FL6550A

▸ HDTV reception up to 60 miles from a tower
▸ Revolutionary Clear Circuit Technology™ provides superior reception
▸ Ultra low noise split band amplifier (UHF/VHF)
▸ Easy to install
▸ Boasts a true dual-path design with separate amplification paths for VHF and UHF that increases signal handling capability and helps eliminate distortion
▸ No adjustment needed once installed
▸ Meets most HOA antenna guidelines
▸ Powered by a USB connector attached directly to an HDTV
▸ Designed and assembled in the U.S.A.
▸ Connect up to 4 TVs (splitter sold separately)
▸ Integrated reflector for increased range

Top Signal 14" Omni Antenna
TS210501

- ‣ Top Signal 14" 824-960/1710-1990MHz exterior antenna is designed to be mounted on a pole up to 2" diameter
- ‣ Omni-directional and radiates signal in a 360° pattern
- ‣ Works with all cell phones, both 2G, and 3G data
- ‣ This durable fiberglass omni antenna comes with pole mounting hardware
- ‣ The antenna has a short coax pigtail with N-female connector on the end

Top Signal Wide-Band Log Periodic Yagi/Directional Cell Phone Antenna
TS221072

- ‣ High-gain
- ‣ Directional
- ‣ Pipe mounting hardware included
- ‣ Easy to install
- ‣ Weather resistant
- ‣ Wide bandwidth

Wilson DataPro Direct Connect CDMA Signal Booster for M2M
811225

- ‣ Bidirectional amplifier boosts signal to and from cell site
- ‣ Works with CDMA networks only
- ‣ FCC type accepted, industry Canada certificated
- ‣ Configurable to fit virtually any M2M situation
- ‣ Maximum 3 watts output power on 800MHz
- ‣ Maximum 2 watts output power on 1900MHz
- ‣ Passes TIA/EIA-98-E transmit tests for evaluating CDMA cellular phones
- ‣ Power control logic ensures maximum output power is within cellular standards
- ‣ Automatic gain control
- ‣ Can be used in a fixed or mobile application
- ‣ FCC and IC type accepted
- ‣ US and foreign patents pending

Wilson DB Pro™ 4G - Indoor 4G Cellular Signal Booster Kit For The Entire Home
460103

- ‣ Wireless operation
- ‣ Works on all generations of LTE, CDMA, TDMA, AWS and GSM
- ‣ For 800MHz (850MHz) Cellular and 1900MHz PCS bands
- ‣ Supports multiple phones and data cards simultaneously
- ‣ Attractive, sleek design
- ‣ Automatic overload/oscillation protection

Wilson Cellular Window Mount Dual-Band Directional Panel Antenna
304452

- ‣ Directional antenna
- ‣ Built-in ground plane
- ‣ Mounting tape and suction cups included
- ‣ Designed for fixed (building amplifier) installations
- ‣ Combines Cellular, SMR (iDEN) and PCS1900 frequencies into one indoor antenna
- ‣ Provides a cost-effective solution for high volume deployments and multiple in-building systems
- ‣ Low profile blends easily with internal environment for unobtrusive appearance
- ‣ Convenient and simple to install

Custom Terminated Cellular Coax
LMR-240 AND LMR-400
Call for more details

Wilson DT 4G 5-Band SmarTech III™ Booster Kit
460101

- ‣ Wireless operation
- ‣ Works on all generations of CDMA, TDMA, LTE and GSM
- ‣ For 700/800MHz (850MHz) cellular and 1900MHz PCS and 2100 AWS bands
- ‣ Supports multiple phones and data cards simultaneously
- ‣ Attractive, sleek design
- ‣ Automatic overload/oscillation protection
- ‣ Receiver sensitivity -108dBm, CDMA FER 1/2%
- ‣ Up to 2 watts power amplifier
- ‣ FCC and IC type accepted

Wilson AG Pro™ Quint 5-Band SmarTech III™ Booster Kit
461104

- ‣ Supports CDMA, GSM, LTE, HSPA+ and WCDMA technologies
- ‣ Works with AT&T cellular, PCS and LTE Only
- ‣ Oscillation protection
- ‣ Extends cell phone battery life
- ‣ Made in the USA
- ‣ Up to 10 times more powerful than a typical cell phone
- ‣ Wireless operation
- ‣ Works on all generations of CDMA, TDMA, and GSM
- ‣ 850 MHz, 1900MHZ, AT&T 700 MHz 4G networks
- ‣ Supports multiple phones and data cards simultaneously
- ‣ Attractive, sleek design
- ‣ Automatic overload/oscillation protection

## Single 1000.2 Kit - Western Arc 110°/119°/129°
DISH-1000.2KIT

Single 1000.4 Kit - Eastern Arc 61.5°/72.7°/77°
DISH-1000.4KIT

DISH 500+ with Fine Tune DISH only
185882

▸ Does not include LNBFs

▸ Offering regular programming, HDTV, international, and some local channels

▸ This satellite dish is used by DISH to receive signal from satellite locations 110°, 118.7°, and 119°

▸ Also included with this dish is mounting bracket for optional 129 LNB

▸ The universal wall/roof mount allows you to install the dish on your roof or exterior wall of your home
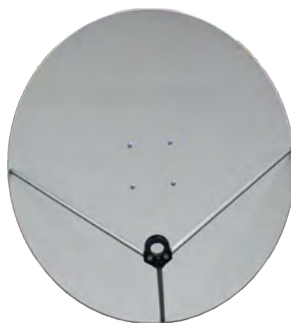
Skyware Global™ 1.2 Meter Dish
621200050

▸ Glass fiber reinforced polyester reflector material

▸ One-piece offset feed prime focus antenna optics

▸ Elevation over azimuth mount type

▸ 10° – 70° continuous fine elevation adjustment range

▸ 360° continuous azimuth adjustment range

▸ 2.88" – 3" diameter mast pipe interface

Skyware Global™ 1.0 Meter Dish
621000050

▸ Glass fiber reinforced polyester reflector material

▸ One-piece offset feed prime focus antenna optics

▸ Elevation over azimuth mount type

▸ 10°–70° continuous fine elevation adjustment range

▸ 360° continuous azimuth adjustment range

▸ 2.38"–3" diameter mast pipe interface

DP LNBF Reman

Part #	Type
DP-SINGLELNBF	Single
DP-DUALLNBF	Dual

DP Adapter
111690

DISH500+ LNBF Assembly 110°/118°/119° 144835, 185882, DP-SINGLELNBF
147427

DISH LNB

Part #	Type
180255	FSS
180254	DBS

DISH Pro 118°/119° LNB Head
DISH1819LNB

DISH Stacker and Destacker Kit
SINGLEWIRE-KIT

WiFi Adapter USB
WIFI-ADPT

- ▸ Allows wireless internet connectivity for DISH models 722, 722k, 622, 222, 222k and 922 sling loaded receivers to the internet without having to run any cables
- ▸ Includes: wireless USB adapter, USB cable and user manual

DISH Single Wire Bullet Amplifier
176508

3.5GHz DISH single wire and DPP compatible bullet amplifier

Solo Node
185834

- ▸ Supports up to 1 Hopper

Duo Node
185836

- ▸ A necessary component for all 2 Hopper installations

DISH Tap
190941

A splitter-type device used to tap into the satellite feed for a Hopper (Host) and then split the connection between the Hopper (Host) and a Joey (Client) or HIC (Hopper Internet Connector)

DISHPro Plus 44 Switch with Power Inserter
DPP44

- ▸ Provides reception from four orbital locations
- ▸ Provides direct connection for four single-tuner receivers or four DP Plus (dual-tuner) receivers when used with DP Plus Separators
- ▸ Legacy receivers do not require a DP adaptor
- ▸ Power inserter must be installed onto receiver port 1 of the switch
- ▸ Can cascade to three switches together
- ▸ Works with DP, DP Plus LNBF's and switches

DISHPro DP34 Switch with ground
141340

DPP44 RX Power Combiner
176509

- ▸ Eliminates the need for power inserter on port 1 of the DISHPro Plus 44 Switch
- ▸ Allows power from a receiver on any port to power port 1

DISH Isolator
190968

For use with 2 Hoppers to isolate them from each other

4 Satellite 256 Drop DON
DON HEADEND

Fiber Stacker Up To 32 Drops
161563

ODP-4ST Video Path Fiber Receiver
175487

DON Rec/Multiswitch
ODDP-43

DISH ViP® 722k Receiver
DISH-VIP722K

- Records up to 350 hours of SD and 55 hours of HD programming
- Supports two independent viewing TVs - a remote control for each TV. High-definition (HD) and standard definition (SD) on TV1; SD on TV2
- View HD and SD programming TV1 display resolutions: 480i, 480p, 720p, 1080i (1080p for applicable Video on Demand) TV2 display resolution is 480i
- Independently watch TV in two rooms, or watch one show while recording another in one room
- Dolby Digital audio

DISH ViP® 222k Receiver
DISH-VIP222K

- Supports two independent TV's, with DVR, and a remote control for each TV
- HD and SD on TV1, and SD only on TV2
- 500GB hard drive
- TV Resolutions 480i, 480p, 720p, 1080i, (1080p for applicable On-Demand)

DISH ViP® 211k Receiver
DISH-VIP211K

- HDMI, S-video, RCA, component, and RF outputs
- M-Peg 4 satellite receiver

MQ2 V2.0 QAM Module - Version 2
198023

DISH Hopper with Sling
197107

- Hub for the whole-home TV entertainment system, Hopper is a 2-terabyte HD DVR with 3 satellite tuners and provides full DVR functionality to the other TVs in the home through thin client receivers (Joey) making up the whole-home DVR network.
- Compatible with both eastern arc and western arc DISH 1000
- Has built in Sling adapter
- Hopper features a tile based user interface in HD, featuring super fast scrolling and a 3 hour window of future programming on a single screen with channel logos listed for easy visual reference

DISH Q-Box
DISH-QBOX

DISH Joey
187894

Sling Adapter - 722 Receivers
SLING-ADPT-722

- Allows you to watch all your live or recorded shows on the go

DISH Triplexor
DISH-TRI

DISH 32.0 Remote
165541

EZR-DVR Remote One Tuner DVR
177524

Compatible with tuner #1 models 322, 512, 522, 625, 622, 722 and 922

3.2 IR Remote Control
DISH-137207

Compatible with the following receivers: 3900, 3000, 301 and 311

DISH 21.1 IR/UHF Remote
180531

DISH 40.0 UHF Hopper/Joey Remote
190482

For ordering please contact your Account Manager at Pace International

- Build, balance and burn
- Same day shipping
- Receiver firmware downloads
- Online order tracking
- Terms available
- Receiver RID #'s available on eDistribution

HEADEND EQUIPMENT

Complete Solutions for MDU and Commercial Business

Get expert help on SMATV, QAM headends, and HD over Coax

Built, Balanced, Burned and Shipped Ready-to-Install

Pace International is a preferred supplier of DISH headends, and is known for reliable, high-quality hardware and unparalleled customer service. You can count on us for the best DISH headends built, tested and shipped ready to install.

Complete Headend Solutions from Pace Include:

- Built, Balanced, Burned for SMATV, QAM, and HD over Coax systems
- Order tracking information provided
- System design and tech support
- Payment terms on credit approval
- Programming support
- Knowledgeable sales staff

5 Pack Vertical Satellite Receiver Rack Mount for DISH Receivers with 2 Braces
RK5PACK-DISH

- 13.5" L × 19" W × 2RU H
- 3.5" between dividers

8 Pack Vertical Rack Mount for DISH Receivers
RK8PACK-DISH

- Holds receivers securely in rack
- Provides easy access to front and back of receiver
- Includes bracing bar
- Rack screws sold separately
- Height adjustable to accommodate different receiver models

Blank Rack Plate

Part #	Rack Units (RU)
EZ-1	1
EZ-2	2
EZ-4	4

- Fits standard 19" rack
- Color: Black

Vented 19" Rack Shelf
ES-19-IV

- Front mounted vented shelf for 19" rack
- Load capacity: 80 lbs.
- Available shelf space is 18" wide by 15" deep

19 × 14½" Vented Rack Shelf
1RU-ES-19

- Front mounted vented shelf for 19" rack
- Load capacity: 40 lbs.
- Height is 1RU
- Available shelf space is 18" wide by 15" deep

1RU Glide Rack Mount Shelf
1RUSR19

14.5" L × 19" W × 1RU

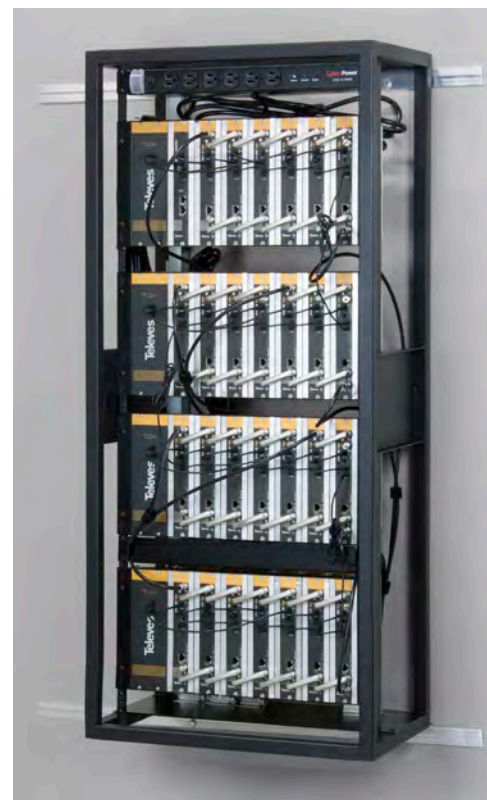## 19" × 10" 1RU Rack Shelf for DISH Multiswitch
RKSHELF-1RU

3 Multiswitch Rack
3-MSR

- Multiswitch rack shelf
- 3 shelves with 2" between

5 Multiswitch Rack
5-MSR

- Multiswitch rack shelf
- 5 shelves with 2" between

Wall-mounting options available.

Lock Box: 12" × 18" × 10"
APB121810

RTA Comm Box™

Part #	Size
RTA182410	20" × 24" × 10"
RTA263610	26" × 36" × 10"

‣ Designed to simplify operations for your installers

‣ It folds open, fits into the bottom, and can be secured to a rack in minutes

‣ Versatile for storage on shelves, fitting easily in small spaces

Lock Box Lock Bracket
APLB

Headend Caster Set
HECS

‣ Compatible with HE4PR-84 rack and CAB-1410-77

‣ Two casters are lockable

‣ Includes 4 post inserts and 4 casters

‣ Weight rating on each caster is 300 lbs.

HE-7226 Hold Down Clamp
EZ-SHORTCLAMP

83" 4 Post Headend Rack 25.5" Deep
HE4PR-84

72" 4 Post Headend Rack 25.5" Deep
HE4PR-72

48" Wall Mountable Rack with Hardware
HE4PR48-QAM

Rackbar Surge Protection
CPS1215RMS

This 12-outlet (6 front and 6 rear) rack mount surge suppressor provides 120V 15A

Power Strip

Part #	Size	Outlets
PS-6020	60"	20
PS-3612	36"	12

▸ Long, multiple outlet used in headends

1RU Rackmount Fan (6 Fans)
RKSHF6

▸ Rack spaces: 1RU (1.75")
▸ Rack compatibility: 19" wide
▸ Fan noise: 55 decibels
▸ Power cord length: 7'

5 Input/Output 14dB L-Band Amplifier
LA-145A-T

▸ Includes 12V power supply
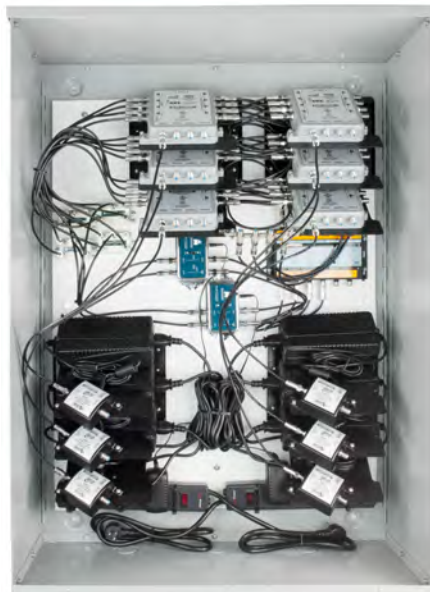▸ Will not power LNB

L-Band Auto Level Amplifier
TW-ALA-HD

▸ Can power LNB without the use of a power inserter
▸ Auto gain selectable -1 or -5 dBm

HDD-12-IN

HDD-24-IN

L-band Distribution System for DISH 'DISH-In-a-BOX'

Part #	Supports	Dimensions
HDD-12-IN	12 Receivers/ 24 Tuners	20" x 24" x 10"
HDD-24-IN	24 Receivers/ 48 Tuners	26" x 36" x 10"

▸ Customizable for specific applications
▸ Supports up to 12 or 24 units from one box
▸ All parts are included and assembled in the box
▸ High quality parts
▸ Knock outs around the box for easy cable insertion
▸ Outdoor models available

Dual Power Inserter
PI-HD

4 Satellite 256 Drop DON
DON HEADEND

Fiber Stacker Up To 32 Drops
161563

ODP-4ST Video Path Fiber Receiver
175487

DON Rec/Multiswitch
ODDP-43

Micro Modulators
*Please contact your Account Manager for special pricing

Part #	Ch. No.	Part #	Ch. No.
PMM02	2	PMM31	31
PMM03	3	PMM32	32
PMM04	4	PMM33	33
PMM07	7	PMM37	37
PMM08	8	PMM41	41
PMM10	10	PMM44	44
PMM11	11	PMM51	51
PMM12	12	PMM76	76
PMM13	13	PMM77	77
PMM14	14	PMM78	78
PMM15	15	PMM79	79
PMM16	16	PMM80	80
PMM17	17	PMM81	81
PMM18	18	PMM82	82
PMM19	19	PMM83	83
PMM20	20	PMM84	84
PMM21	21	PMM85	85
PMM22	22	PMM86	86
PMM23	23	PMM87	87
PMM24	24	PMM88	88
PMM25	25	PMM89	89
PMM26	26	PMM90	90
PMM27	27	PMM91	91
PMM29	29	PMM92	92
PMM30	30		

Rack Chassis Power Supply
PPS12

‣ Built-in cooling fan
‣ Powers up to 12 mini modulators

Micro Modulators
MPCM45-X

‣ Micro modulators from channel 2 to 74
‣ 5dBmV minimum output for a 66dB in-band carrier to noise ratio provides superior picture quality
‣ 125 channel frequency range 54~806MHz (CATV 2~13, A1~A5, A~ZZZ, 89~125, UHF 14~69)
‣ SAW (surface acoustic wave) filtered for superior adjacent channel performance enables drop-in channel expansion
‣ BTSC stereo compatible pre-emphasis disable switch provides pass-through for stereo signals
‣ Front panel access controls enables easy setup

Agile Micro Modulator
PAMM

Agile micro modulator in die cast housing. The double conversion and superior SAW filtering provides adjacent channel compatibility and spurious free output. It provides 45dB output level from 50 to 864MHz including CATV and TV frequencies. The channelization configuration can be changed by the up/down buttons located on the front panel.

Rack Mount Chassis
PRC12

‣ Rack mountable chassis holds 12 mini modulators with room for the PPS12 (power supply insert)
‣ Equipped with grounding wire for the power supply

Digital ATSC or QAM Demodulator
DAC-860

‣ Simple user interface
‣ ATSC compliant demodulation and FEC decoding in 8VSB modes
‣ Wide range equalizer eliminates multi-path effects
‣ Auto scan of programmed channels

Agile Micro Demodulator
PAD-806

Agile micro demodulator for off-air channels. Extracts composite video from RF. High quality agile demodulator for any TV/CATV channel in the range 54 to 806MHz. The channel display at front panel can show the channel selected by the up/down buttons on the front panel.

PPC-24G

12 & 24 Port Passive Combiner

Part #	Ports
PPC-12G	12 Ports
PPC-24G	24 Ports

Quality combiner employing directional coupler design principals to obtain high isolation between input ports. It provides a convenient method to combine the outputs of modulators, strip amplifiers and processors.

‣ 19" rack mount
‣ Directional coupler design
‣ High isolation, low insertion loss

Full Size Modulators
*Please contact your Account Manager for special pricing

Part #	Ch. #	Part #	Ch. #
PRM55-02	2	PRM55-J	23
PRM55-03	3	PRM55-K	24
PRM55-04	4	PRM55-L	25
PRM55-06	6	PRM55-N	27
PRM55-07	7	PRM55-O	28
PRM55-09	9	PRM55-P	29
PRM55-11	11	PRM55-Q	30
PRM55-13	13	PRM55-R	31
PRM55-A	14	PRM55-S	32
PRM55-B	15	PRM55-T	33
PRM55-E	18	PRM55-U	34
PRM55-G	20	PRM55-V	35
PRM55-H	21	PRM55-W	36
PRM55-I	22		

PMSR-216

Rack Mounted Multiswitch

Part #	Ports
PMSR-208	2 x 8 Ports
PMSR-216	2 x 16 Ports

Satellite multiswitch for rack mount applications. Requires satellite IF distribution from 950-2150MHz. It will allow users to take two LNB outputs and provide input to a maximum of eight or sixteen receivers. It routes any of the input to any outputs by utilizing the 14/18V switching control from the satellite receivers. These multiswitches are an excellent way to simplify any SMATV installation.

▸ Provides RHCP and LHCP switching
▸ Power adaptor supplies power to LNBs
▸ Input selected by 14V/18V from satellite receiver employing right and left hand circular polarization
▸ Built-in amplifier to compensate for insertion loss
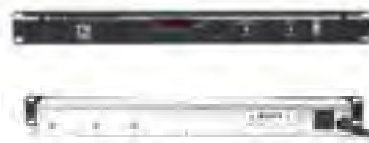
Agile FM Stereo Modulator
PAFM

FM stereo modulator with switchable mono or stereo capability. Especially designed for commercial installation, the PAFM provides superior signal-to-noise ratio, separation and enhanced dynamic range. The employment of a phase locked loop tuning circuit ensures that the selected station will not drift. Switchable mono or stereo capability allows for FM transmission versatility.

Full Size Agile Demodulator
PRD-806

Allows for adjacent channel operation from Master Video for broadcast or CATV channels from 50 to 800MHz. Demodulates VHF, UHF and cable channels from 54 to 806MHz. IRC and HRC can be activated by push button switches located in the front panel. Demodulator incorporates a phase locked loop synthesized LO in conjunction with a non-volatile microprocessor for precise frequency selection. The unit accepts any NTSC television signal in the 54 to 806MHz frequency range and converts it to base band video and audio. Three additional outputs are provided as well as the IF output to monitor the status of the tuner.

FM Strip Amplifier
PSCA-FM

Rack mounted FM band amplifier designed cover all VHF band frequencies. Automatic gain control is provided to set the output power independent of the input level. This "gain in reserve" feature allows for consistent headend performance. The PSA-FM is a low-noise, high-gain amplifier with excellent signal quality and low distortion for trouble-free operations over wide ambient temperature ranges. Externally adjustable input and output filter controls allow easy re-tuning of any amplifier within band type for special alignment applications, or repair replacement. A precision voltage regulator eliminates performance changes due to loading or power line fluctuations.

PCA-30RK550

Rack Mount Distribution Amplifier

Part #	Power
PCA-30RK550	30dB gain
PCA-30RK860	30dB gain
PCA-45RK550	45dB gain

30 and 45dB rack mounted distribution amplifiers with adjustable RF gain and tilt controls. High push-pull amplifiers producing signals with extremely low distortion and harmonic content. The design is capable of 158ch/129ch operation over the 5-700MHz range. The rack mount amplifiers are very useful for amplifying the cable input prior to the CEF channel elimination filter.

▸ Up to CATV channel 113/ Off-air channel 57
▸ Adjustable slope and gain control
▸ Designed for CATV distribution system
▸ Double shielded RFI enclosure
▸ Test port included on the front panel

Broadband Distribution 860 MHz Amplifier
PBIDA-30-860

▸ Dual push-pull hybrid modules
▸ Inter stage variable gain and slope controls
▸ Input and output test ports
▸ Large heat sink for superior heat dissipation
▸ Aluminum chassis for excellent heat dissipation
▸ Good for CATV/MATV/SMATV headend signal launching or signal level boosting in signal distribution

30dB 860 MHz Distribution Amplifier
PCA-30/860

19" Subrack Adaptor
5301

▸ Televes T.05 and T.0X series component rack mount shelf

Subrack Passive Combiner
565001

▸ 1 RU (1.75") chassis

▸ Front panel cutout for easy input signal cable management

▸ 7 "F" female type connector inputs aligned with the outputs of a fully loaded T.0X subrack assembly and adequately spaced so that the coax bridge bars provided with the units may be used to feed the combiner

▸ Rear "F" female type connector combined output

▸ 20 dB front panel test port enabling output testing without service interruption

▸ Max. insertion loss: 12dB @ 1002Hz (balanced across inputs)

Programming Unit
7234

▸ Remote control programming unit

▸ Universal: can connect to any Televes programmable headend unit

▸ Can program all headend units when used in conjunction with the modem IP

T.05 Switched Power Supply Unit
5030

▸ Supports T03 and T05

▸ Voltage: 110 Vac

▸ Frequency: 60Hz

▸ Output voltage: 24, 18, 15, 5 Vdc

T.05 Modem IP
5837

▸ The IP modem lets you control Televes controllable headend's from anywhere in the world using an internet connection

▸ Works in conjunction with T.05 CDC Remote Headend Controller

T.05 CDC Remote TDT Headend Controller
5051

▸ The headend controller allows remote control of a headend by using an external modem connected to the phone line or local control by connecting a PC directly to the headend controller

T.05 Digital Transmodulator: 8PSK-256QAM HD
5012

▸ Transforms a QPSK satellite digital channel into a QAM digital channel

▸ Programmable parameters: output frequency, SR (Symbol rate), QAM modulation format, frequency or output channel, output level, audio carrier frequency, IQ modulation format, LNB powering parameters and remotely controllable via the CDC

T.05 Digital Transmodulator: 8PSK-1024QAM HD
5632

▸ Transforms a QPSK satellite digital channel into a QAM digital channel

▸ Programmable parameters: output frequency, SR (Symbol rate), QAM modulation format, frequency or output channel, output level, Audio carrier frequency, IQ modulation format, LNB powering parameters and remotely controllable via the CDC

Hybrid Broadband Amplifier
4514

▸ Hybrid broadband amplifier

▸ Frequency range: 47-860MHz

▸ Gain: 44 dB

▸ Output Level (60 db): 104dBuV

▸ Test port: -30dB

T0X Switched Power Supply Unit
563901

H60 Advance (MPEG4, 3.3GHz, FO, Ethernet)
596002-5989

▸ Based on digital processing, and maintaining the advantages obtained through unique features such as its high range spectrum analyzer and combo mode, the H60 Meter is the most advanced field meter on the market

▸ Stretched frequency spectrum up to 3.3GHz, to analyze signals from optical LNBs and LTE signals

▸ Large screen in high definition

▸ High resolution screen (VGA 640 × 480)

▸ Specific measures for CATV networks: TILT, CTB, CSO and HUM

▸ Automatic measurements of RF attenuation

▸ MPEG-4

▸ Conditional Access Module CAM

▸ LTE analysis with stretched spectrum up to 3.3GHz

▸ FO interface: CWDM (selective) and broadband

▸ HDMI output for both video and OSD

▸ DVB-T2 option

QPSK/8PSK to QAM Turbo Transmodulator

Part #	Output
XTC-4	4
XTC-8	8

▸ Tunes and demodulates QPSK/8PSK satellite signals in DVB-S,DVB-S2 modulation including DISH Turbo FEC

▸ Outputs 4 or 8 transponders of SD or HD video in 4 or 8 QAM-RF Channels

▸ Superior QAM performance with unequalized MER at 39dB, high output levels, and return loss >15dB

▸ Internal web server allows any PC to access web pages for easy configuration and simple local and remote operation

▸ DISH quick start wizard searches for DISH signals for a quick install

▸ Dense with up to 8 channels in 1RU, low power for low heat and long life

T0X CDC IP Headend Controller
5559

▸ Configuration and control of the modules can either be done through the handheld controller or from any internet connection with the use of the CDC headend controller module. The remote control of the system provides two easy to use options with the TSuite computer application or through any internet browser for maximum customer choice.

T.0X 8PSK/QAM Twin Transmodulator
563701

▸ Each of the T.0X Q/8PSK modules contain 2 completely independent transmodulators that are capable of being fed from either the same or different sources with output frequencies able to be set independently across the entire range in order to provide maximum flexibility.

▸ The entire transponder's multiplex is converted to a single QAM channel so all content regardless of whether it is video or music, MPEG2 or MPEG4, SD or HD, encrypted or not, will be output unaltered eliminating the need for additional costly encoding or encryption equipment in the headend.

▸ Additionally, both inputs and outputs can be daisy-chained with the input/output of a module being added to the input/output of all the preceding modules thus eliminating the need for RF splitters and combiners.

H30 Digital CATV Meter
593101

▸ Remote control and measurements

▸ Rugged and light weight

▸ Intuitive user interface

▸ Ergonomic handheld design

▸ Long battery life

▸ Lab-quality precision

▸ Comprehensive functions

▸ Automatic SW upgrades

▸ 100% automatic

To order please contact your Account Manager at Pace International

▸ Build, Balance and Burn

▸ Same day shipping

▸ Receiver firmware downloads

▸ Online order tracking

▸ Terms available

▸ Receiver RID #'s available on eDistribution

HDB2380

HDB2520

HDB2540

HDB2620

HDB2640

QAM Encoder 1RU

Part #	# of Channels	Resolution
HDB2380	8	480i
HDB2520	2	720p
HDB2540	4	720p
HDB2620	2	1080
HDB2640	4	1080

▸ Maestro multibox management software - local or remote configuration and management

▸ Color LCD for front-panel configuration and at-a-glace monitoring and status

▸ Breakthrough cable management - each model utilizes a choice of hydra AV cables (extend from a full sized DIN connector to 7 inputs - component HD video, analog and digital audio) or DIN VGA cables

▸ Ethernet port for configuration and remote management

▸ Analog and digital audio - internally encoded and broadcast as AC-3

▸ Integrated closed caption support required for ADA compliance in many applications

ZVPRO610

ZVPRO620

ZvPro Channel Unencrypted HDMI Video Series

Part #	Channel Component or VGA Video
ZVPRO610	1
ZVPRO620	2

▸ ZeeVee's best video quality – 1080p/i, 720p, 480p/i in every unit

▸ Unencrypted component and VGA inputs – address the needs of all deployments

▸ Single and dual channel versions in a smaller, fan-cooled package – for simple, reliable installation anywhere

▸ Only 1RU high and shelf or rack mountable

ZVPRO810

ZVPRO820

ZvPro VGA Video Series

Part #	Channel Unencrypted HDMI Video
ZVPRO810	1
ZVPRO820	2

▸ ZeeVee's best video quality – 1080p/i, 720p, 480p/i in every unit

▸ Unencrypted HDMI inputs – address the needs of all deployments

▸ Single and dual channel versions in a smaller, fan-cooled package – for simple, reliable installation anywhere

▸ Only 1RU high and shelf or rack mountable

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www.paceintl.com/products

INSTALLATION TOOLS

IN THIS SECTION

5pc 18V Cordless Kit
2690-24

The M18 Cordless LITHIUM-ION System's patented technologies and electronics, innovative motor design, and superior ergonomics provide the most efficient blend of power, weight and performance in the industry. Powered by RED LITHIUM, the M18 cordless system delivers more torque, more power, and longer run-time than the competition.

Includes:

▸ (1) 18V Cordless Hammerdrill

▸ (1) Circular Saw

▸ (1) Reciprocating Saw

▸ (1) Flexible Floodlight

▸ (1) 1-Hour Charger

▸ (2) 18V High Capacity Li-Ion

18V Wet/Dry Vaccum
0880-20

▸ Works on all Milwaukee 18V slide-on batteries, RED LITHIUM or NiCd

▸ Powerful motor to provide strong suction and air flow

▸ Tool box style for easy transport and storage

▸ On-board accessory and hose storage

▸ Built-in blower port

▸ Ideal for both wet and dry applications

▸ HEPA filter

3/8" 12V Cordless Screwdriver Kit
2410-22-MWK

▸ 2-Speed (0-1,500/0-400) all metal gear box, up to 35% faster drilling / fastening and Milwaukee durability

▸ Powerful motor: delivers 250 in/lbs of torque, up to 25% more torque

▸ 3/8" single sleeve ratcheting metal chuck - increased bit retention and durability

▸ Lightweight and compact - tool belt portable at only 2.5lbs and 7-3/8"

▸ Integrated LED and Fuel Gauge-- Increased productivity and decreased frustration

3/8" 12V Cordless Right Angle Drill/Driver Kit
2415-21

18V High Capacity Hammerdrill/ Driver
2611-24

Get revolutionary power, run-time and ergonomics, with up to 65 percent more holes per charge. The M18TM cordless high-performance hammer drill/driver generates best-in-class power, with 750 in-lbs of torque to meet the most rigorous worksite demands. It is the most compact high-performance hammer drill available, minimizing fatigue and maximizing productivity by fitting into tight spaces. The REDLITHIUM extended capacity battery pack delivers more work per charge and more work over pack life than the competitors. The onboard fuel gauge helps you monitor the charge more accurately, so there's less downtime on the job.

The M18 Hammer Drill/Driver's easy-to-use all-metal ratcheting locking chuck provides maximum grip, bit retention and durability. A new contoured soft grip gives you ultimate comfort during prolonged use. The kit includes two M18 REDLITHIUM batteries, M18 and M12 multi-voltage charger, side handle, and durable carrying case.

12v Inspection Camera Kit
2310-21

▸ Digital technology delivers superior image quality

▸ Large, 2.4", high-resolution (320X240) color LCD display

▸ Exclusive adjustable image zoom (2x)

▸ 3 stage LED brightness control w/ digital glare reduction

Milwaukee 120V 1/2" Drill
0235-21

- 5.5 amp motor, 0 to 950 rpm, trigger speed control with reversing
- Heavy-duty industrial single sleeve all metal keyless chuck and spindle lock
- 8' 3-wire Quik-Lok® cord with easy detachment for storage and service
- Exclusive brush cartridge system changes brushes in less than one minute

Milwaukee Hole Hawg
1676-6-MWK

Setting the standard for large-hole drilling in tight spaces. The 1/2" Hole-Hawg® Drill delivers power and torque in a compact design that makes it perfect for drilling between studs and joists. The powerful motor features two speed ranges plus reverse for increased versatility. The drill offers a 4-5/8" self-feed bit capacity and an extra long pipe handle to help you control power. The kit includes a durable carrying case.

18V High Capacity Li-Ion Battery 2-Pack
48-11-1822

12pc Milwaukee Sawzall Blade Set
49-22-1129

120V Reciprocating Saw
6536-21

The new Milwaukee Orbital Super Sawzall® Reciprocating Saw has a high powered 13 amp Milwaukee built motor for fast orbital cutting action. The variable speed trigger provides 0 to 3000 strokes per minute with a 1-1/4" stroke. Counter balanced for smoother operation with less vibration. A gear protecting clutch allows the saw to withstand impacts, lengthening the life of the tool. The Quik-Lok® blade clamp provides fast and easy blade changes, and an impact resistant carrying case provides room to store a variety of accessories.

Milwaukee 120V Reciprocating Saw
6524-21

- 6 position pivoting handle
- Quik-Lok® blade clamp
- Compact and only 6.7 lbs.
- Orbital cutting action
- Gear protecting clutch
- Cushion grip and rubber boot for superior gripping
- Keyless adjustable shoe
- Double insulated
- Heavy-duty 'S' jacket 8' two wire Quik-Lok® removable cord
- Blades may be clamped upside down
- Impact resistant carrying case

12v Cordless Reciprocating Saw
2420-20

- Only 11" and 2.6 lbs. for cutting in tight spaces
- Keyless Quik-Lok® blade clamp allows for quick and easy blade changes
- All-metal gear case for added durability
- Variable speed trigger for increased user control
- Battery fuel gauge displays remaining run-time
- Accepts both HACKZALL and SAWZALL® style blades
- Built-in LED light illuminates work surface

8-Piece 6" Paddle Bit Set
49-22-0175

Paddle Bits

Part #	Size
48-27-0170	3/8" x 16"
48-27-0175	1/2" x 16"
48-27-0180	5/8" x 16"
48-27-0185	3/4" x 16"
48-27-0195	1" x 16"

4-Piece 6 1/2" Auger Bit Set
49-13-4000

Auger Bits

Part #	Size
48-13-5540	1/2" x 18"
48-13-5750	3/4" x 18"
48-13-6000	1" x 18"
48-13-5620	5/8" x 28"

Milwaukee 12" Bit Extension
28960

DeWalt 20V Max Drill Driver
DCD780C2

‣ Compact, lightweight design fits into tight areas

‣ High speed transmission delivers 2 speeds (0-600 and 0-2,000 rpm) for a range of fastening and drilling applications

‣ Ergonomic handle delivers comfort and control

‣ Heavy-duty 1/2" ratcheting chuck provides superior bit gripping strength

‣ Includes: DCD780 1/2" Drill Driver, (2) 20V Max* lithium ion battery packs, 30 Minute Fast charger, Belt hook, On-board bit holder, and Kitbox

DeWalt 17pc Bit Set
DW1167H5

‣ Black oxide finish for greater wear resistance

‣ Tough plastic case

‣ Set includes 17 black oxide drill bits ranging from 1/16 - 1/2"

‣ 135 degree split-point design reduces walking when starting bit

DeWalt 20V Max Drill and Impact Driver Kit
DCK211S2

‣ DCD780 20V MAX 1/2" drill/driver features two speed transmission (0-600 / 0-2,000)

‣ DCF885 20V MAX 1/4" impact driver features 3 LED lights with 20 second delay to provide visibility without shadows

‣ Includes: DCD780 1/2" Driller/Driver, DCF885 1/4" Impact Driver, (2) 20V Max* Lithium Ion 1.5 Ah Battery Packs, Fast Charger, (2) Belt Hooks, Bit Holder, and Kitbox

DeWalt 18V Cordless Four Tool Combo Kit
DC4PAKI

‣ DC925 XRP™ 18V cordless hammerdrill with DeWalt built high power motor delivers 510 unit watts out of power

‣ Heavy-duty 1/2" self-tightening chuck tightens throughout operation providing superior bit gripping torque

‣ DC390 XRP™ 18V circular saw with 6-1/2" carbide blade and rip fence can cut 2x4's at a 45° angle in a single pass

‣ DC385 XRP™ 18V cordless reciprocating saw with keyless blade clamp allows for quick blade change without touching blade or reciprocating shaft

‣ DW919 18V flexible floodlight provides hands-free use

‣ Includes: (1) DC925 XRP™ 18V 1/2" hammerdrill/drill/driver, (1) DC390 XRP™ 18V circular saw, (1) DC385 XRP™ 18V reciprocating saw, (1) DW919 18V flexible floodlight, (1) 1 hour charger, (2) 18V XRP™ batteries, (1) 360° side handle, (1) Carbide tipped circular saw blade, (1) Circular saw rip fence, and (1) Heavy-duty kit box

RG6 Black Coax Cable
SKL1290B

- Solid copper RG6 coax
- DISH approved cable
- Footage markers: every 2'
- Length: 1,000'

Dual White RG6 CCS with Messenger
S6DMCCS3GWHT

- CCS RG-6 dual coax, with 17AWG messenger wire attached, 500' reel-in-box
- This RG-6 coaxial cable is DISH Approved and swept to 3GHz
- It has 60% aluminum braid and 100% aluminum foil
- The center conductor is 18awg copper clad steel
- UV inhibitor jacket. UL and CL2 approved

RCA Coupler: 100pc
RCA-RCA

RG6 Compression F-Connector
SNS1P6

- One piece Snap-N-Seal design
- Fits RG-6 coax cable
- Qty: 50

2.8 GB Barrels: 100pc
F81-2G

EZ-RJ45 Cat6E
100010C

HDMI High Speed CL3 Cable

Part #	Length
PHDMIHS-01	1'
PHDMIHS-03	3'
PHDMIHS-06	6'
PHDMIHS-10	10'
PHDMIHS-12	12'
PHDMIHS-15	15'
PHDMIHS-35	35'
PHDMIHS-50	50'

CL3 HDMI cables are based on a technology that provides the best data transmission possible. Professional grade HDMI cables are CL3 rated for in wall use. Fully shielded cables made with durable, gold plated connectors to provide the best performance.

HDMI Over 1 Cat5E/6 180'
P60E

- Extends your HDTV display up to 196' away from your HDTV source using one (1) category 5E balun
- Supports high definition resolutions 1080p, 1080i, 720p, and standard video format
- Supports computer resolutions up to 1920x1200 (WUXGA), 12-bit color depth
- HDMI version 1.3 compliant
- H.D.C.P. (high-bandwidth digital content protection) compliant
- HDMI to DVI adapter (not included) can be used for installation
- Improves compensation for cable signal
- Includes (2) power supplies (5V DC): (1) for transmitter and (1) for receiver
- Not 3D compatible
- Video amplifier bandwidth: 2.25 Gbps
- Single link range: 1080p
- Input video signal: 0.5 - 1.0V p-p
- Input DDC signal: 5V p-p (TTL)
- Input/output connector type: HDMI (19 Pin - type A) female
- Link connector: RJ45 shielded
- Power consumption: 0.12 watts (max)
- Data speed transfer: 10.2Gbps
- Power supplies: (2) 5V DC
- Dimensions: 2" W x 1.88" H x 3.25" D

500' White Bare Copper Speaker Wire

Part #	Conductors
162-WH-500	2, Red and Black
164-WH-500	4, Red, Black, White, and Green

- 16 gauge speaker wire
- CL3 rated
- Flexible outer jacket
- Comes in the strongest box in the industry
- Lenght: 500'
- 99.997% oxygen free copper
- Outer jacket color: white

Cat5E Jumper Cables

Part #	Length	Color
CAT5E-1BU	1'	Blue
CAT5E-1.5-BL	1.5'	Blue
CAT5E-3-BL	3'	Blue
CTC5E-25BL	25'	Blue
CAT5P1000	1000'	Blue

- Use for high speed internet, DSL/Cable modem, home networking and fast ethernet connections
- Connects a computer to a DSL/Cable modem, networking router, hub, or wall plate
- Snagless strain relief ends
- RJ45 male to male plug
- UL listed
- 100% tested and verified to meet EIA/TIA T568A/B standards

Also available in other colors and lenghts. Please contact your Pace Account Manager for more information.

8pc Spade Bit Set
341008-T

- Rugged plastic rubber carrying case
- Hex end fits rapid change drill attachments
- Hex end provides tight fit for drill
- Bit sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1". 1-1/8", and 1-1/2"
- Case Size: 5-1/2" X 7-1/2"

6" Bit Extension
DW1588

- Quick change mechanism allows for quick and easy accessory changes
- Compact industrial design is best for tight, hard to reach applications
- Contoured finger grip for easy one-handed release

1/4" x 54" Flex Bit Extension
FIBEX1454

- For extending flex bits when drilling within a wall
- For 3/4" bits

7/16" Combination Wrench
25763

1/2" Box and Open End Wrench
BOOW12

9pc Holesaw Kit
244002

- Contains the most commonly used sizes
- Hole saw kits include new quick-change mandrels for increased user productivity
- Three trade specific configurations contain the most commonly used sizes
- Compact injection molded hole saw kit box with carrying handle delivers portability and jobsite durability

Includes: 9 Pieces
- (1) 7/8" (22mm) Bi-Metal Hole Saw
- (1) 1-1/8" (29mm) Bi-Metal Hole Saw
- (1) 1-3/4" (44mm) Bi-Metal Hole Saw
- (1) 2" (51mm) Bi-Metal Hole Saw
- (1) 2-1/2" (64mm) Bi-Metal Hole Saw
- (1) 1/4" Mandrel (9/16" to 1-3/16")
- (1) 7/16" Quick Change Mandrel

Klein Cable Cutter
J63050

- High-leverage for greater cutting power
- Precision, one-hand shearing action
- Cuts up to 4/0 aluminum AWG (no ACSR), 2/0 AWG soft copper and 100-pair 24 AWG communications cable

F Removal Tool
2206-F

- 7/16" hex socket for mating and un-mating
- This dual function tool features a 7/16" hex socket at one end and 3/8-32 thread at the other end
- The hex socket slides over cable and rear of the connector for easy mating and un-mating of hard to grasp "F" connectors

Klein Can Wrench 3/8" & 7/16"
68005

- One end opens telephone box fasteners, and the other end tightens nuts on binding-post terminals
- Socket ends are color-coded for quick identification of socket sizes
- Hex-socket design enables using a wrench to obtain extra torque

Adjustable Punch Down Tool
13006

- The primary tool for all telecom and data communications installers
- Spring loaded for fast low effort wire seating and termination
- Bayonet style blade retention mechanism is compatible with tools and blades manufactured by Harris, Ideal, and others
- Adjustable low and high impact force settings
- Spare blade storage compartment in the handle

Adjustable Punch Down Tool
TW-SC

- Use to tighten or loosen "F" connectors
- 7/16" security sleeve tool

B.E.S. Fish Chain and Retriever
FIB223

▸ Flexible fish tool bends in any direction and holds its shape

▸ Use the 10' chain and magnetic retriever to fish wires in uninsulated walls

▸ Metal ring attached to end of ring to keep chain from falling in walls

▸ Flex tool: 18"
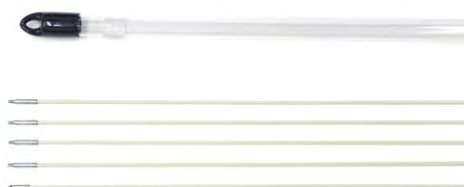
B.E.S. Glow Fish II Kit
GLF407

▸ Five 6' rods for fishing wire in attics, walls, ceilings and other hard to reach places

▸ Packed in clear carry case

Kit Contains

▸ 5 - 6', 5/32" diameter luminous rods with metal end

▸ 1 - 6' rod has rounded metal ends and can connect together for a total length of 30'

B.E.S. Installation Kit
BBCON 300 KIT

Kit Contains

▸ Carrying case 3' bullnose rod, fish chain and retriever, attachment kit, wisp head, glowfish set, repair kit, 15' telescoping pole w/ Z-tip, 36" wire bits, 3 high speed steel flex bits, 3/16" x 72" extension, 3 true point bits, flex bit guide, and I60 stud finder

Auger Bits

Part #	Size
QTT3872	3/8" x 72"
AUG3472	3/4" x 72"

▸ Flexible shaft allows you to drill around corners or at an angle without reducing leverage

▸ Screw tip on the end enables the bit to be pulled vigorously through wood

▸ Cross-bored at both ends for easy wire pulling

Long Felxible Auger Bits

Part #	Size
06-03-54A	3/8" x 54"
12-04-54A	3/4" x 54"

▸ Wood-type auger bit with screw point

▸ Pulls itself through wood, avoids walking or skidding

▸ Excellent for drilling in soft woods or through thin sections

▸ Slow back-taper allows for easy retrieval

▸ Bends to meet your needs

Electrical Tape
CH-TAPE

100 pk Toggler Screws with Bolt Set
374499

▸ Strongest toggle bolt in smallest hole

▸ Allows removal of bolt or fixture without anchor falling behind the wall

Low Voltage Mounting Bracket
LV1

▸ Device mounting plate

▸ Includes screws and adjustable wing clamp

▸ Cutout: 2-1/8" x 3-5/8"

▸ For walls 1/4" to 1" thick

3 GHz F Wall Plate
WP-1F-WH

▸ Single white "F" connector wall plate

▸ Single gang standard outlet size

▸ 3GHz barrel style "F" connector

▸ Color: White

1 Gang Wireport Wallplate
1GWH

▸ Designed to mount directly to standard low voltage mounting brackets and backless boxes

▸ Wireport™ plates are perfect for both wall and ceiling installations for audio, video, security, and office networking

▸ Hole size 1.56" (Diameter)

▸ Hole area 1.92" (Sq. In.)

▸ Color: white

Coax Stripper RG6/RG59
CS-596

- Designed for easy, one-step cable stripping
- Contractor-grade stripping tool has an adjustable blade that adapts to different cable sizes
- Made of durable, comfortable plastic
- 2 adjustable blades
- Includes allen wrench

CAT5E Cable Stripper
15015

- Economical tool specifically designed to strip the cable jackets from category 5, 6, and 7 type twisted pair cables
- No adjustments are required and will not nick the inner conductors

Wire Stripper/Cutter 10-24AWG
WS-1024

- Strips and cuts several different types of wire and cable
- Self-adjusting mechanism according to wire size provides excellent wire stripping without damaging the conductor
- Adjustable stop for consistency in wire strip lengths
- Replaceable blade system

SDT-11-250

SDT596-250

Cable Strippers

Part #	Compatibility
SDT-11-250	RG11
SDT596-250	RG59/6 Quad

- One step cable preparation precisely exposes the center conductor and removes the proper length of jacket to SCTE and Bellcore specifications
- No adjustments or extra tools required
- Replaceable blade cassettes are color coded and marked with cable series type and braid preparation dimensions for easy identification

RG59/6 SNS Stripper and Compression Tool
IT-1000

- All-in-one tool allows you to prepare coaxial cable and install any RG6 or RG59 Snap-N-Seal compression connector
- Comfortable, compact design

Wire Strippers

Part #	Compatibility
TCMWS1018	10-18 AWG
TCMWS1626	16-26 AWG

- Spring loaded for better control
- Comfortable rubber hand grips
- Long lasting coated metal

10-18 AWG Wire Stripper
11045

- Compact, lightweight wire-stripping and cutting tool
- Hardened steel with precision ground stripping holes
- Spring-loaded action for self-opening
- Precision-ground stripping holes for easy removal of insulation
- Easy-to-read wire gauge markings on both sides for stripping in either direction
- Wire looping and bending holes

Automatic Wire Stripper
370371

- Cuts stripping 10-26 AWG soft copper
- Crimps insulated and uninsulated solderless terminals
- Heat treated steel
- Length: 8-1/4"
- Molded rubber handles

Cable Pro Trap Wrench
TWC716

- Fits all standard traps
- Fits all sizes of security sleeves
- Anodized blue for easy identification
- Security socket is made of hardened steel for longer life

RJ45 Crimp Tool
TCRJ45T

- ‣ Cuts, strips and crimps RJ45 modular connectors

F-Connector Compression Tool
TW-CT

- ‣ Heavy duty compression tool
- ‣ Comfortable rubber handles
- ‣ Works on all PPC and Snap-N-Seal compression connectors

RG59 and 6 Snap-N-Seal Compression Tool
CPLCCT-1

- ‣ Effortless, one step operation
- ‣ Fits comfortably in the palm of your hand
- ‣ No adjustments required

Compression Crimping Tool
16201

- ‣ The SealSmart compression crimp tool provides simple, fast and reliable terminations
- ‣ The perfect solution for CATV, DSS, security and residential structured wiring installations
- ‣ Connector adapters are included for F, RCA and BNC SealSmart connectors and mount in handle for easy storage

Klein Crimper
1005

- ‣ Crimping die marked for insulated and non-insulated solderless terminals and connector
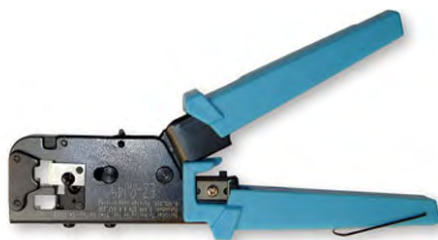
EZ-RJ45 Crimp Tool
100004

- ‣ Crimps and trims extended wire in EZ-RJ45® connector in a single cycle
- ‣ Designed to quickly crimp and cut the wires of the EZ-RJ45® connector in one easy simple operation
- ‣ The ratcheted straight action crimping motion ensures a uniform crimp every cycle
- ‣ Features precision cast crimping dies for superior accuracy
- ‣ Built in wire cutter and stripper for silver satin
- ‣ All steel frame with rust resistant black oxide finish
- ‣ For use with EZ-RJ45® cat 5/5e & cat 6 connectors
- ‣ Will also work on most other RJ-11, RJ-12 and RJ-45 connectors (except AMP)

EZ RJ45 Heavy Duth Crimper, Stripper, and Cutter
10054C

- ‣ Crimps and trims extended wire in EZ-RJ45® connector in a single cycle
- ‣ This high quality crimp tool is designed to quickly crimp and cut the wires of the EZ-RJ45® connector in one easy simple operation
- ‣ The ratcheted straight action crimping motion ensures a uniform crimp every cycle
- ‣ Features precision cast crimping dies for superior accuracy
- ‣ Built in wire cutter and stripper for silver satin
- ‣ All steel frame with rust resistant black oxide finish

Light Duty 8" Crimper
3258597

- ‣ Crimping and staking dies
- ‣ Crimp insulated or non-insulated terminals
- ‣ Fastens non-insulated connectors through number 8 gauge
- ‣ Cushioned high leverage insulated grips
- ‣ Cuts copper and aluminum wire

Coax Compression Tool
CAT-AS-EX

- ‣ Allows assembly of series 59/6, 7 and 11 drop connectors in one versatile tool
- ‣ Works on PPC EX series connectors
- ‣ Two sets of jaws, precision designed

IDC Crimp Tool for UR, UY, and UG Splice Connectors
22-10200

- ‣ Versatile crimp tool works with UR, UY and UG style splice connectors
- ‣ Prevents incomplete and uneven crimps
- ‣ Stepped jaws provide parallel crimping action at the moment of connection

43 Pocket Tool Bag
TB00122543

‣ The 22.5" tool bag is manufactured with a durable polyester material and contains 43 pockets for maximum organization

‣ Shoulder strap included

36 Pocket Tool Bag
1550CLC

‣ 16" x 10 1/2" x 4" removable top plastic tray for easy access to bag contents

‣ 13 Multi-use pockets inside and 23 outside to organize tools and accessories

‣ Zippered security pocket

‣ Pocket for drill bits or tips

‣ Electrical tape strap

28 Pocket Electricians Tool Bag
TB00108028

‣ The 8" tool bag is manufactured with a durable polyester material and contains 28 pockets

‣ This item also includes a transparent plastic hardware box for maximum organization and a shoulder strap for easy maneuverability

22 Pocket Tool Bag with Pull Handle
TB04015022

‣ Versatile 22 pocket tool bag

‣ Shoulder strap, pull handle and standard handle with velcro

‣ 1-1/4" wide wheels allow for easy transport

‣ Detachable molded plastic hardware box

Open Top Tool Carrier
L238

‣ LED light handle can be easily directed at work area or into tool carrier to help identify tools and parts

‣ Powered by two AAA batteries, included

‣ 3 levels of light output allow adjustment for wide area illumination or close-up work

‣ Ergonomic handle design helps reduce stress on hand and wrist

‣ Large open compartment provides easy access to power tools and accessories

‣ 47 multi-use pockets and 10 webbing loops to help organize your favorite hand tools

‣ Padded, adjustable shoulder strap for easy carrying

Pocket Toner
RPT

‣ Identify unlabeled coax very quickly

‣ LED indicates DC shorts, splitters, and other self-grounding devices in cable

‣ Checks circuit integrity in new and/or installed cable

Fox 2 & Hound 3: Wire Tracing Kit
3399-K

‣ Quick and easy way to trace wires and cables of all kinds including: electrical wire, twisted pair wire, LAN cable, coax cable, multi-conductor cable, telephone cable, speaker wire, alarm cable, and many more!

Compact Digital Multimeter
1101-A

‣ Legendary Triplett quality

‣ Compact DMM with backlit display and temperature test (probe included)

‣ 3-1/2" high display digits w/1999 maximum reading

‣ Overload protection with double insulated case

‣ Safety test leads with screw-on alligator clips

‣ AC/DC voltage to 500V

‣ AC/DC current to 10A

Triplett 8-Way Coax Cable Mapper
3274

‣ 8 remotes with BNC connectors included

‣ Tests for open and shorts

‣ Use to identify coaxial cables in CCTV security and surveillance systems broadcast TV, residential video systems and cable TV (with F adapters)

‣ Identify any pair of wires (shielded and unshielded) such as audio, video, phone lines, etc using appropriate adapters

‣ 120VAC line cross protection

‣ Real-time test helps identify intermittent problems

FIBER OPTIC

Single Mode SC/APC-SC/APC Jumper

Part #	Length
SCA-SCA-PH30S-1	1M
SCA-SCA-PH30S-3	3M
SCA-SCA-PH30S-5	5M
SCA-SCA-PH30S10	10M
SCA-SCA-PH30S20	20M
SCA-SCA-PH30S30	30M

SC/APC to SC/APC 5M Single Mode jumper
F9C11A1GCBB05M

Singlemode simplex riser patch cord

SC/APC to FC/UPS 2M Jumper
F9C21A1GCB702M

Singlemode duplex riser patch cord

2M FC/UPC-Pigtail Jumper
F9G11A12GC7002M

50' SM SC/APC Duplex Pigtail
F9G21A1GCB050F

SC-APC PIGTAIL 2M
C146523-0002

SC+SC Splice Block
C147880

FC-SC Fiber Splice Block
C130082

- ‣ FC - SC simplex
- ‣ Ceramic insert
- ‣ Stainless steel

1310/1550 1 × 8, 19" RM Even Split
F377304400EVEN

2 Way 50/50 Even Split LGX SC/APC
LGXC1X25050SAPC

- ‣ LGX 1x2 fiber optic coupler splitter

2 Slot LGX Chassis
EQFCRML2

Fiber Attenuator
OTOA-1000

- ‣ Low-cost method for adding step-variable optical attenuation without interrupting connections
- ‣ Passive device intentionally induces macrobend losses around a series of restrictive curvatures
- ‣ Combination of 1dB, 2dB and 4dB loops provides step-variable attenuation from 1dB through 7dB
- ‣ Built-in strain-relief mechanism minimizes changes in attenuation over time and temperature

LL2450 MIN 12ct Splice Tray
91957-00

- ‣ Tray stores 12 single fusion splices
- ‣ Interchangeable inserts allow for single or mass fusion or mechanical splices
- ‣ Pre-molded snaps that securely hold buffer tubes or spiral wrap while splicing
- ‣ In-line or butt splice capability
- ‣ Pre-formed radiuses maintain bend requirements
- ‣ Interlocking base and cover provides tray stability without the use of a bolt
- ‣ Extended finger guides easily store and route loose fiber or ribbon

LL2400 24ct Splice Tray
91710-06

- ‣ Interchangeable inserts allow for single or mass fusion or mechanical splices
- ‣ Pre-molded snaps that securely hold buffer tubes or spiral wrap while splicing
- ‣ In-line or butt splice capability
- ‣ Pre-formed radiuses maintain bend requirements
- ‣ Interlocking base and cover provides tray stability without the use of a bolt
- ‣ Extended finger guides easily store and route loose fiber or ribbon

19" Subrack Adaptor
5301

‣ Use with T03/T05 modules

T0X Switched Power Supply Unit
563901

1310nm 10dBm Optical Transmitter
233311

8-Way Optical Splitter
234401

Domestic Optical Receiver
2311

‣ Self-adjusting optical receiver
‣ Domestic optical receiver that provides a stable RF signal level at its output, independently of the optical attenuation of the distribution network of fiber optics

FO Transmitter, 1310nm, 8dB, 8mW
PCT-FTX3R2-08AS

PCT Fiber 3RU Chassis
FLCH

Fiber Management Module
FLMNG1

Fiber Chassis PS
FLPSAC

Fiber Sub Band Receiver Modulator
FLRRXAS

12 Slot LGX Chassis
EQFCRML12

1 × 8 Even Split, 1310/1550, LGX Casette Coupler with SC/APC
LGXC1X8EVENSAPC

2-Way Fiber Node
PCT-MFN-F-AS

Optical Rx CATV With +21dBm Output
PCT-UMFN-AS

Fiber RX Power Supply 15VDC
APA1260515U

‣ Replacement power supply for parts: PCT-MFN-F-AS and PCT-UMFN-AS

This is just a sample of our fiber optic products. For ordering additional products please contact your Account Manager.

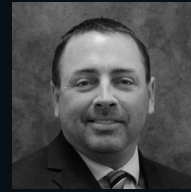Pace International
www.paceintl.com
1-800-444-PACE (7223)

PACE

EXECUTIVE TEAM

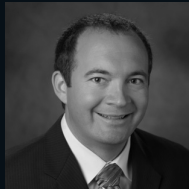**Pat Deutsch**
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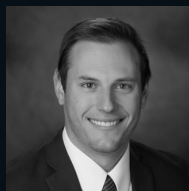Sr. Account Manager
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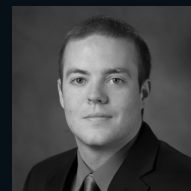brett@paceintl.com
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