

NAME	68-shop rf prep	answer time into video
Odysseas Tatsis Sofianopoulos	Question for Pete: Is this recorded?	0:06:21
AV Trainer	Is there something you use to electronically share paperwork so the people you are working with are all on the same pages?	2:15:48
Marc Kennedy	Protip: I always tape the connector for input/output #6 on a fan out with blue electrical tape. #dyslexic	
AV Trainer	Do you ever have to add a second subnet, or expand the network in order to space out all the different kinds of RF equipment used?	
AV Trainer	What's your personal choice for in-ears? What do you recommend for others?	
AV Trainer	Can we get a copy of the Excel templates uploaded to PST to go with this presentation? Thank you	
Kenneth Goodwin	Looking at your rack drawing: the 3ru door panel. Wouldnt it be better to just leave it open for heat venting and access for trouble-shooting?	0:40:13
Cesar Camacho	do you have an example pic of a rack wired up how you like it?	0:40:16
Dan Newburn	How often are you custom making cables for racks?	0:43:59
Kevin Parrish	Brackie Manufacturing for quality cables including small piece custom orders. I highly recommend Brackie!	2:20:17
Kenneth Goodwin	How would you route the 12ft AC to DC cables that come with Shure PSM 900 series IEM Transmitters? I have yet to find a clean solution for such a long cable. (Reasons why I prefer the PSM1000 series)	
Jeffrey Polunas	With the Shure UHF-R series, we have the G1,H4,J5 Bands. We also have the X1 band. Would you put the X1 band lower in the rack and leave the Antenna distro with the units or with the other Distro for the other bands. Or is there a better way to setup the units in the same rack? We currently keep the X1 band system up top and then have the other bands lower in the rack. We are using 2 sets of antennas.	
Henry Cohen	Pete: We found this in 2016 :-) RF from Consoles	0:58:44

John Christie	What do you think the cause for the VHF carrier from the Console Stage Rack RF Signal at 196.600	0:58:46
Kevin Parrish	At NBC News we are converting to RG-223 for all rack jumpers. The older RG-58 cables get retired and are replaced with RG-223.	1:00:10
Anthony Kuzub	high speeds clocking in fpgas cheap EMC protection... they cause it	
Neil White	Do you typically use 50 ohm terminators on unused DA outputs and / or combiner inputs?	1:01:44
Kevin Parrish	This also provided the opportunity to replace / upgrade older but perfectly working jumpers.	
Jason Glass	FWIW, I find LMR-195 ideal for internal rack jumpers. I've seen a racks of 24 IEM mixes rendered worthless by audible heterodyne whistling cause by RG-58 signal leakage.	1:03:40
Kevin Parrish	You will never ever go wrong with any cables from Times Microwave.	
Anthony Kuzub	ahhhhhhh c'mon. IP is competency these days...	
Jason Glass	192.168.x.x are public network addresses. 10.10.x.x are explicitly private.	1:16:57
Anthony Kuzub	there's network planning and then there's configuration. once it's a part of the show, tgete	
Kevin Parrish	And this is very important for all of us to remember in the COVID-19 "new normal" operating world... If somebody on the crew got sick its imperative to maintain the system records should someone else need to step into your shoes at the last minute.	1:17:45
Anthony Kuzub	the IP should be static	
Jason Glass	We like private for our gear! ;-)	
Kevin Parrish	And its also a GODLEN OPPORTUNITY for the younger crewmembers to understand the importance of "attention to detail" in all work.	
Anthony Kuzub	the N1 and N2	
Anthony Kuzub	non routable 10. and 192.	

AV Trainer	How does he mean that 192.168.x.x is public vs 10.10.x.x is private? Both of these are for internal LAN use and not for the open Internet, and both are used as default numbers shared via DHCP by various network device manufacturers	
AV Trainer	Sorry was referring to Jason Glass mentioning public vs private IP addresses	
AV Trainer	Got it. Was he meaning something else entirely or a different network number?	
AV Trainer	Will there be a PST that's an RF Tech Battle or an Audio Network Tech Battle similar to the A2 panel?	
Derek Chandler	What are your best practice methods for testing antenna cables? I have multiple racks from a national vendor and I experienced intermittent drop outs on multiple racks with different cable packages (same cable manufacturer but same cable types etc) After a month of back and forths it was found the internal crimps on the rf cable was not tight enough and , when wiggled would completely drop rf. It was something you couldnt physically see and when tested appeared to be a "good cabl;e"	1:58:03
Jason Glass	Yes, I did indeed misspeak about public vs. private. Sorry, y'all. https://www.arin.net/reference/research/statistics/address_filters/	
Dan Newburn	This is somewhat tangential, but there might be a good answer in here - Re: Antenna support. Has anyone found a good mounting option for the RTS AP-1800?	
Lucas Spangaro	could I have a reflected wave that is cancelling my IEM frequency?or is very uncommon? I mean inside the cable	
Odysseas Tatsis Sofianopoulos	Another common error is people bottlenecking switches without knowing it!	
AV Trainer	What are Ike's suggestions for preferred tools? (hand tools, anazlyzers, other devices, software, etc)	2:03:55
Kevin Parrish	Important Tip: If you make or repair coax cables make sure that you own the correct prep tool, strippers and crimpers... Know which size die you need.	
Derek Chandler	Clarificatio of my question:What are your best practice methods for testing antenna cables? I had multiple racks from a national vendor on sevealal shows and I experienced intermittent drop outs on multiple racks with different cable packages (same cable manufacturer but same cable types etc) After a month of back and forths it was found the internal crimps on the rf cable (brand new cable) was not tight enough and , when wiggled would completely drop rf or severely attenuate. It was something you couldnt physically see and when tested appeared to be a "good cabl;e"	1:51:55

Kevin Parrish	Run your cables out flat in the parking lot and give them a nice bath in the hot summer sun. This is a great opportunity to inspect, clean, test and recoil your coax cables... Remember what the "last mile of connectivity" means. Take care of your cables!	
Anthony Kuzub	rj45 connector is a consumable... have crimper in the kit!!	
Kevin Parrish	Remember RF Spares may come from outside sources... Thru the efforts of PST and others we have all networked together, made new friendships and learned many things. You may be somewhere on a job and have backup / emergency resources available to you. Reach out!	2:20:43
James Gralian	Looks like the Weber 6498 tin pan.	
John Sulek	Weber 6417 drip pans will hold an AD2 stick	
Sarali Anastasion	Thanks that was perfect. Couldn't agree more with his approach	
Dan Newburn	#idea cable termination masterclass :)	
John Christie	Going to suggest one more item to your show kit Simple Round drink tray. Labelled with your name great for moving groups of transmitters and mics from backstage out to where the presenters are. JUst watch out Food service people will sometimes steal your trays.	2:06:26
Wynn Johnson	RIGOL DSA sereis can get you into a VHF/UHF SA with a tracking generator for under \$1500	
Jason Glass	The AIM UHF model is a good VNA tester and an awesome antenna analyzer/tuner for under \$1000US.	
James Wilkens	What is the advantage of a tracking generator? I have tried using a 5212 beltpack with an adapter to the cable.	2:08:31
Anthony Kuzub	tracking gen can't measure bad connectors	
Dan Newburn	Impportant documentation reminder: Batteries in paper don't die	
AV Trainer	I so forgot that Radial used to ship the JDI in their own special cases...lol	

Jason Glass	Pete, I had a corporate client who expected me to stay overtime and program & sync every device in the convention center personally. After I did so, half of the engineers in the house reamed me the next morning for screwing with their RX output level settings. Half of them previously set to 0dB and half set to default +12dB. Default is a harsh mistress.	
Anthony Kuzub	binoculars	
James Gralian	Plastic things = Spudgers?	2:11:25
Marc Kennedy	with a nod to age** carry an extra swt of cheap readers in your bag	2:14:11
AV Trainer	The Macbook Pros need those special security drivers beyond the basics.... separate question... Does lke run in to any racks now that need the security bits to unscrew equipment?	2:12:11
Jason Glass	The wave or sawtooth VNA sweep often is an indication that an air-spaced dielectric has allowed a center conductor to spiral due to repeated wrapping and unwrapping.	2:13:04
Jason Glass	Kelly! Inverted bifocals! BRILLIANT!	
AV Trainer	You can also put Office 365 docs in Sharepoint, etc for live update sharing	
AV Trainer	Hey...I asked...it's even up after the other question ;-)	
AV Trainer	Is there a different prep if using encryped mics?	
Marc Kennedy	I always run a virus scan on any show computer before I get there. Good shared network hygiene is contagious	
Dan Newburn	Encryption also keeps other people off of your recievers	
AV Trainer	How about the security certified wireless?	
AV Trainer	Can you share that note Pete? Please?	
AV Trainer	75 ohm antenna cable?	

