"Competition" Reality shows are demanding increasingly complex audio, but...

The budgets stay the same!



Audio/Comm needs for a typical reality show:

- Everyone gets a wireless body pack
- Wireless feeds to handheld cameras
- Wireless IFB feeds for talent
- Story Producers require individual mixes
- Wireless comms required everyone and their brother



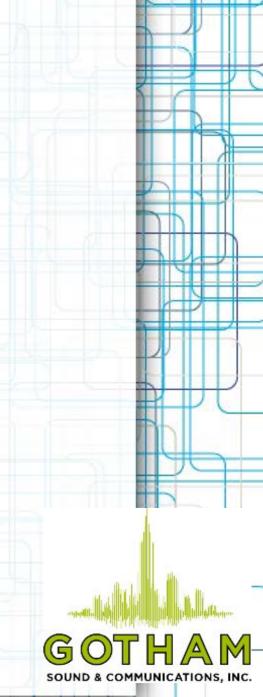
 Some shows are more complicated then others:





Inkmaster has:

- 16 Tattoo Artists
- 16 "Human Canvases"
- 4 Wireless Boom Operators
- 1 Host (plus IFB)
- 3 Judges (plus IFB)
- 8 wireless handheld cameras
- 16 Hardwired plant mics
- 4 Story Producers



Inkmaster's totals:

- 25,000 square foot RF coverage
- 1,056 audio sources+destinations
- 68 VHF/UHF coordinated freqs (+spares)
- 63 tracks of audio (x2)



Q: How to create multiple mixes on the fly for 8 handheld cameras?





 A: Create a custom touch screen interface to (2) Lectrosonics ASPEN DNT Digital Audio Processors





Q: How to interconnect audio equipment between:





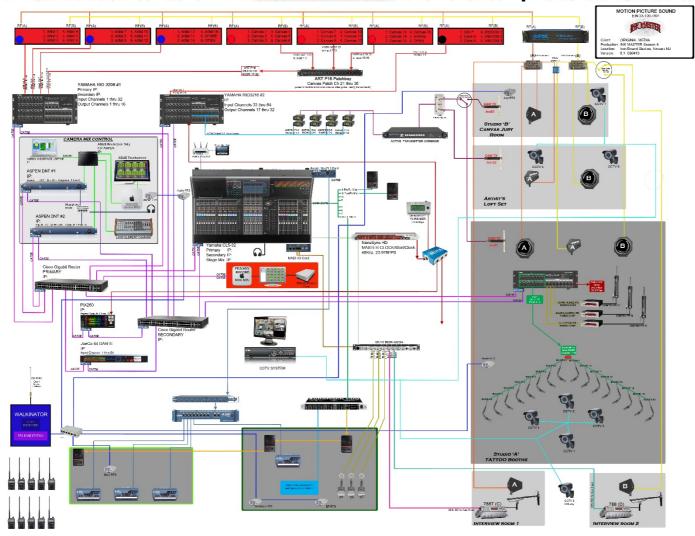




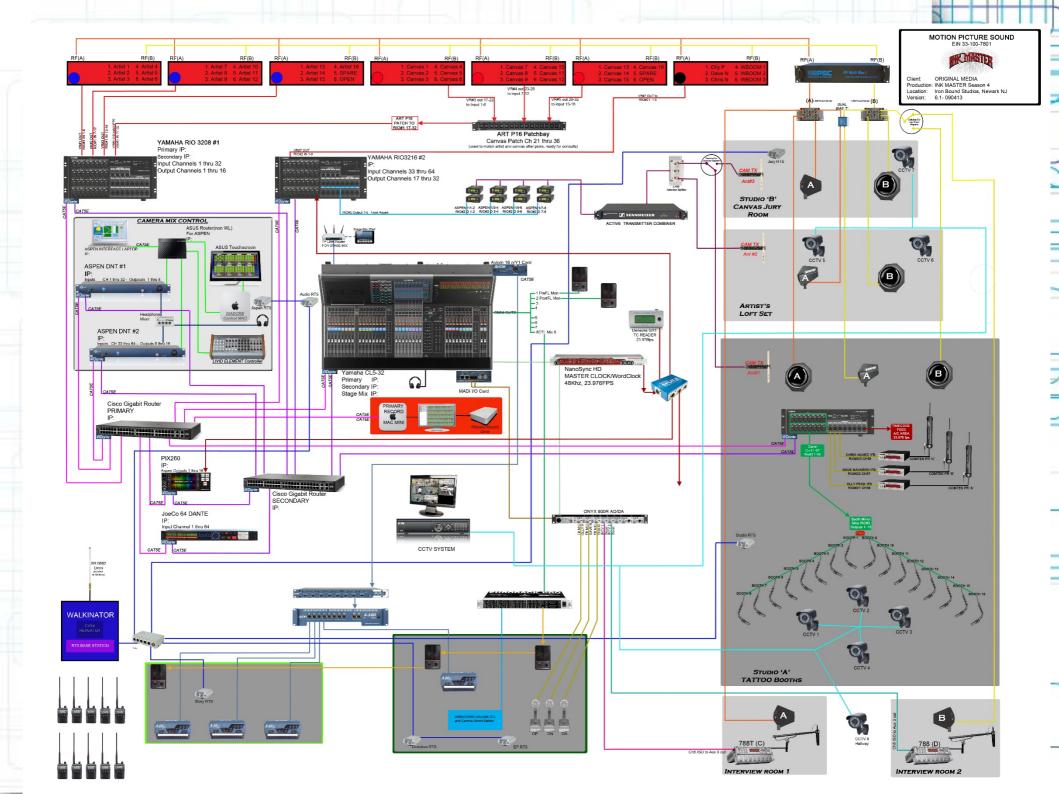
Without multiple stages of A/D/D/A?



A: DANTE Audio network makes it possible.







Problems encountered:

- Clocking to "house sync" needs to be thought out carefully (Dante wants to be the sync master!)
- Different manufacturers' implementations of Dante require slightly different procedures (Dante controller vs. in-device routing, clocking nomenclature, no secondary, switched vs. redundant)



Problems encountered, continued:

- Re-patching on the fly via Dante Controller caused glitch in the audio, causing us to revert to "analog" patching.
- Firmware updates done separately between audio hardware and Dante hardware



What I'd like to see for the future:

- Take the "Network" out of "Audio Network" (eg. no worry about Primary, Secondary streams crossing – more "self aware" network)
- More troubleshooting tools especially problem solvers that exist for MADI (eg. Headphone boxes, analyzers, etc.)



What I'd like to see for the future, cnt'd:

- Integrated control and telemetry standards for pre-amp and wireless mic control
- More user audio friendly Controller



Questions?

Peter Schneider Gotham Sound and Communications, Inc. 330 W 38th St – around the corner!

peters@gothamsound.com (917) 270-2762

BOOTH # 2738
Saturday 12:30 – Sound Supervisor Martin
Kelly will discuss Inkmaster
workflow