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MIDWEST UPLINK MW3 - SPEC SHEET

Office and booking phone number: **866-TV ON AIR (866-886-6247)**

Truck Engineer:

Leland Kesler
502-262-7148 - Cell
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Truck Cell Phones:

502-648-7287 502-648-7293
502-648-7295 502-648-7296

Uplink -

- AvL 2.4 meter four port dish - No polarity restrictions
- 2 MCL MT-3200 350 watt amplifiers
- Phase combined amplifiers provide greater reliability
- 2 Advent UC494101 wide band up converters
- TLT for verification of the transmission chain before the uplink starts
- 2 Six port IF combiners allow for up to 12 paths with additional encoders
- One Advent analog modulator

Using the equipment that comes on the truck we can put up to four SD paths in the sky at one time. We can also put up simultaneous HD and SD paths. Please call to go over your mixed format, multipath transmission needs.

MPEG 2 Encoding -

- 2 Tandberg 5740 SD encoders - 4 audio channels
- 2 Tandberg 5788 SD/HD encoders - 8 audio channels - BISS mode 1 and BISS-E encryption available

MPEG 4 Encoding -

- 2 Adtec EN-91 MPEG 4 encoders - 16 audio channels - BISS mode 1 and BISS-E encryption available

Downlink -

- 2 - Tandberg TT-1290 MPEG 2 SD/HD IRDs, one is MPEG 4
- 1 - Adtec RD60 MPEG 2/4 SD/HD IRD
- 2 - Standard GlobalVU analog receivers
- 2 - SD DirecTV
- 1 - HD DirecTV

Analog Video -

- 6 - Equalizing video DAs from the I/O panel
- 1 - Videotek throw down equalizing video DA
- 1 - Videotek STG-6000 timing generator
- 2 - Key West Technologies TBC-10 framesyncs
- 1 - Sony PVW 2600 Beta SP play Deck
- 2 - Sony PVW 2800 Beta SP record decks

PARK AND POWER INFORMATION

Shore power requirements -

- 208 to 240 volts AC at 100 amps single phase service
- Two hots and a ground, no neutral
- We carry 250' of #4 theater grade shore power cable
- All shore power goes through an onboard isolation transformer

Dimensions and weight -

- 35 feet long x 8 feet wide x 13 feet tall
- Add 2.5 feet on passenger side for stairs
- 33,000 pounds

Distribution and Monitoring -

- Evertz VIP-8 multiviewer feeding a Samsung 32" monitor
- 20" JVC multiformat quality control monitor
- 16 x 16 Aja SDI router
- 3 Evertz reclocking SDI DAs
- 4 Evertz reclocking AES DAs
- Marshall AR DM2 audio monitor with Dolby E
- Dolby DM 100 digital audio analyzer
- Aja throw down reclocking SDI DA

Test Equipment -

- Sencore stream analyzer
- Tektronix WVR-7120 HD/SD SDI analyzer with eye pattern
- Tektronix 1740A analog waveform / vector scope
- Sigma TSG490 HD bars and tone generator
- Tektronix TSG 200 analog bars and tone generator

Analog Audio -

- Mackie 1604 VLZ Pro 16 channel audio mixer
- 8 mic or line level level inputs
- 8 more line level inputs
- Easy voice tracking inside truck
- Coles lip microphone for high quality tracking

Communications -

- 4 - Motorola cell phones
- 2 - Studio Technology Model 2 with four boxes
- 2 - Telos interfaces
- RTS PL system
- 3 - RTS belt packs and head sets
- 2 - GKC #605 telephone IFB amplifier boxes
- 2 - GKC #655 telephone dialer IFB amplifier boxes
- 2 - Q-Tel line powered telephone dialer PL/IFB boxes
- Misc telephones, RJ-11 cables and connection equipment

Cable and Fiber -

- 4 - 135' x 5 lead 1695 coaxial cable for HD transmission
- 2 - 225' x 2 1505 video and 4 audio for digital news gathering
- 1 - 250' x 2 1505 video and 4 audio for digital news gathering
- 2 - 500' TAC 6 fiber
- 1 - 125' TAC 6 fiber
- 4 Rattler sets
- 2 - 350' x 9165 "ENG Cable" 1 analog video, 3 audio
- 2 - 500' x 9165 "ENG Cable" 1 analog video, 3 audio
- 2 - 200' x 6 XLR audio
- Misc. individual XLR and video cables

Other things that make life easier on the road -

- 240 gallons of fuel allowing for eight days of operation before refueling
- Ultra reliable 20 KW Perkins generator
- Multifunction printer/scanner/fax machine
- Microwave oven

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE