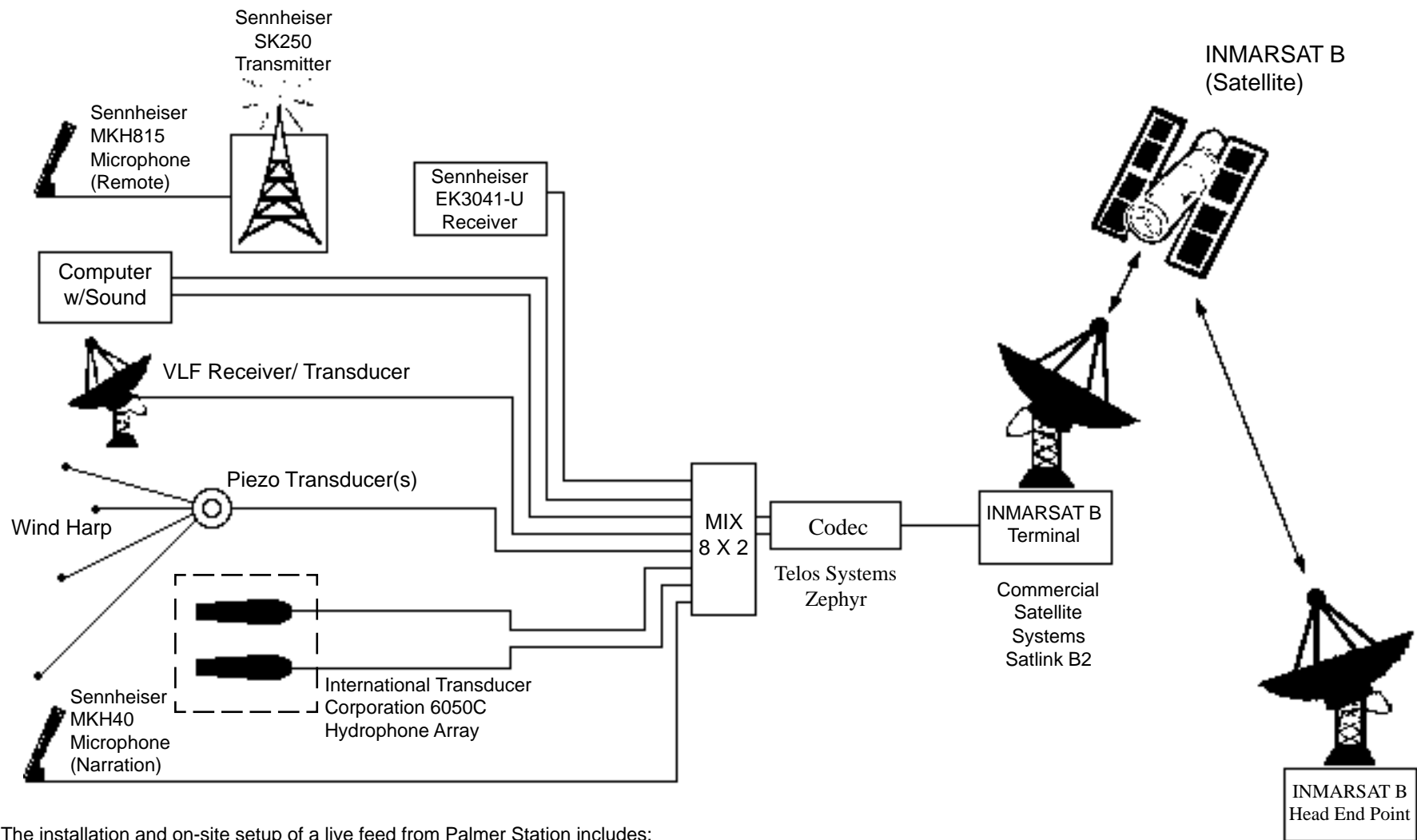


Live Soundscape Broadcast from Palmer Station, Antarctica (December 31, 1999-January 1, 2000) Douglas Quin



The installation and on-site setup of a live feed from Palmer Station includes:

- A) Remote wireless microphone/transmitter and receiver
- B) 2 channels of audio from a computer with a sound card (for playing back prerecorded material)
- C) Very Low Frequency (VLF) transducer (to record atmospheric whistlers and other phenomena from space)
- D) Wind harp (to pick up ambient wind),
- E) Array of 2 hydrophones (to record seals, whales and ice)
- F) Microphone (for narration)

All of these signals are subsequently G) mixed and H) compressed, via a codec, to 15 KHz MPEG Layer 3 (MP3) mono audio. The compressed audio is sent as data I) via a portable Inmarsat B terminal satellite uplink—at a data transmission rate of 64kbps.