

VENTURE-EXPRESS

TRANSMITTER

LANGUAGE TRANSLATION/TOUR SYSTEM/INTERRUPTIBLE FEEDBACK (IFB)



Microphone Mute

silence the microphone without turning off the transmitter

Memory Recall Buttons

select from six user-programmable channels

LCD Display

indicates channel number and low battery warning

Microphone Input

Connects to supplied lavalier mic or optional headphone boom microphone.

Input Selector

choose microphone, auxiliary input, or a mix of both

Channel Select

choose from 19 FM frequencies

Line Input Jack (mini)

connects to an audio source such as TV, VCR, or CD player

A belt clip on back makes the Express easy to carry.

PRODUCT OVERVIEW

A fully portable FM based transmitter, the Venture-Express is ideal for applications where one person needs to transmit audio to multiple participants. From tour groups to language translation to IFB uses, the Venture-Express transmitter is the perfect solution for you.

Many tours are conducted in loud settings where the tour guide has a difficult time being heard, or in settings where extreme silence is needed and the tour guide can't speak loudly enough for the group to hear. The Venture-Express solves these problems.

Listeners equipped with portable receivers clearly hear the tour guide who is speaking into the Venture-Base transmitter. And the transmitter's small size makes it easy to clip onto a belt, slip into a pocket, or hold in your hand.

As an added feature, the transmitter has mixable audio inputs for both mic and line (e.g. TV, VCR, CD player). This

allows you to broadcast two sources simultaneously or switch between them. And tuning is as easy as setting your car stereo. When you select the channel, the LCD display not only indicates which channel you're on, it warns you when your batteries are low.

APPLICATIONS

- Language translation services
- Tour groups
- IFB

FEATURES/BENEFITS

- User channel selectable to 19 channels in the 216 MHz frequency band
- Maximum voice intelligibility
- Transmitter frequency is crystal-controlled (phase lock loop) for absolute frequency control and stability
- Small size and built-in belt clip make the transmitter easy to carry
- Wide area FM system works outdoors or in bright light with no line of sight restrictions
- Uses two AA size batteries (alkaline or Ni-Cad rechargeable); recharge using the Gentner BC-10A battery charger (optional)
- Transmitter is wireless and can be used anywhere
- Squelch control to minimize noise when changing channels

 **Gentner**

1 . 8 0 0 . 9 4 5 . 7 7 3 0

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VENTURE - EXPRESS

TRANSMITTER

LANGUAGE TRANSLATION/TOUR SYSTEM/INTERRUPTIBLE FEEDBACK (IFB)

ELECTRICAL SPECIFICATIONS

Physical Dimensions (W/H/D): 3.0" x 4.625" x 1.125" 7.62 cm x 11.75 cm x 2.86 cm	Automatic Gain Control Range: 40 dB	Selectable Transmit Frequencies: 19 channels in the 216 MHz band
Weight: 4 oz./.112 kg dry	Signal to Noise Ratio: 60 dB	Power Requirements: 2 AA batteries (alkaline or Ni-Cad)
Microphone Input: >10 k Ohms (high impedance, varies with frequency), -55 dB mic input level, Connector: mini XLR Pin Out: 1: Audio ground/RF antenna, 2: N.C., 3: Audio (low voltage phantom power +5 V supplied)	Transmission Type: FM	Current Consumption: TX: 300 mA Standby: 1 mA
AUX Input: >3 K Ohms (high impedance), -10 dB input level, Connector: mini jack Pin Out: Tip: signal, Ring: ground, Sleeve: N.C.	Maximum Deviation: +/-25 kHz, 50 kHz total	Typical Battery Life: 4-5+ hours with AA alkaline 600 mAh batteries
	Maximum Radiated Power: 8000 uV/m at 30 M (equates to max. range of 300 ft.)	Frequency Response: Mic: Custom pre-emphasis and equalization Line: 100-10 kHz, +/-3 dB
	Frequency Control: Digitally synthesized, crystal controlled	Compliance Approvals: FCC and Industry Canada
	Frequency Stability: 0.005%	

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The transmitter is FCC and Industry Canada approved. It operates in the 216 MHz Auditory Assistance Band as approved by the FCC, and the transmitted field strength won't exceed 80 milliVolts per meter at 3 meters.

The power button on the front of the transmitter activates the LCD and begins RF transmission. The operating frequency is user selectable to 19 frequencies in the 216 MHz band. The squelch control suppresses noise caused by changing channels. Using the memory recall buttons on the front of the

transmitter, any of the six user-defined presets can be selected. The selected broadcast frequency is displayed on the front panel LCD.

The transmitter features a balanced microphone level mini-XLR jack and an unbalanced line level RCA input jack. These inputs are selectable to either individually active or a mix of both. The microphone input has a switch to control audio muting. The audio processing chain consists of dynamic equalization and broadband AGC.

The transmitter is constructed of injection molded plastic and is designed for hand held use or to be belt-clipped to the operator.



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