

Overview

The UTX-B1 is a transmitter for a UHF synthesized wireless microphone system to be used for broadcast or movie production purpose. This transmitter is suitable for Electronic News gathering (ENG) and Electronic Field Production (EFP).

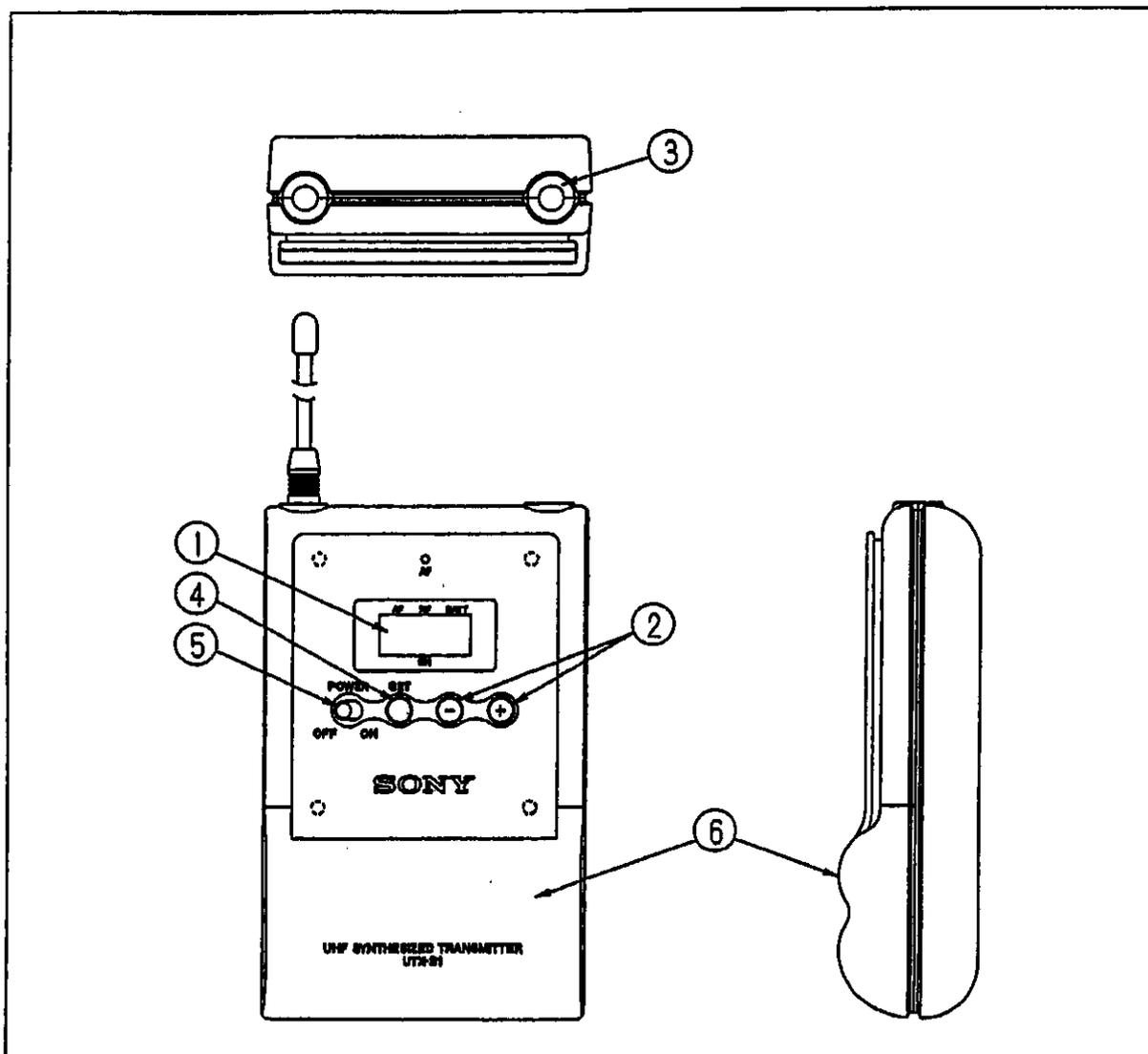
The microphone/ transmitter and tuner of the wireless microphone system are classified by frequency band.

A 24-MHz frequency band is assigned to each microphone/ transmitter and tuner model. In building a UHF wireless microphone system, be sure to combine a microphone/ transmitter and a tuner having the same wireless channel (frequency).

Features

The features of the UTX-B1 are:

- Phase Locked Loop (PLL) synthesized system
- Compact and lightweight
- Operation powered by easily available batteries
- LCD for coordinated operation control
- Saved channel and input attenuation settings
- Highly reliable electronic attenuator
- RF carrier with tone signal
- Wide dynamic range and low noise



Specifications

Transmitter and modular section

Oscillator	Crystal controlled PLL synthesizer
Type of emission	F3E
Carrier frequencies	758 to 806 MHz
Operating frequency band	24 MHz
	<i>Refer to the "Sony Wireless Microphone System Frequency List" supplied with this manual.</i>
RF power output	30mW / 5mW
Frequency stability	Within ± 15 kHz
Total signal	32 kHz
Type of antenna	1/4 -wavelength wire
Pre-emphasis	50 μ s
Deviation	± 5 kHz (-60 dBV, 1kHz input)
Maximum Deviation	± 40 kHz
Frequency response	50 Hz to 18,000 Hz
Signal-to-noise ratio	60 dB or more (A-weighted, modulation frequency 1 kHz, with ± 5 kHz deviation at tuner)

Power section

Power requirements	3.0V DC, (two LR6/ size AA alkaline batteries)
Battery life	Approx. 6 hours at 25 °C (77°F) with Sony LR6 alkaline batteries (30mW) Approx. 10 hours at 25 °C (77°F) with Sony LR6 alkaline batteries (5mW)

General

Operating temperature	0 °C to + 50 °C (32 °F to 122 °F)
Storage temperature	-30 °C to + 60 °C (-22 °F to +140 °F)
Dimensions	63 x 100 x 27 mm (w/h/d)
Mass	Approx. 120g including batteries

Supplied accessories

Operating instructions
Sony wireless Microphone System Frequency List (1)
Lavalier microphone (1)
Holder clip (1)
Wind screen (1)
Belt clip holder (1)

Design and specifications are subject to change without notice.