

# Synexis TH8

Handheld Transmitter



## FEATURES

- Ergonomic design
- 18 selectable frequencies
- Noise-cancelling cardioid microphone with high gain before feedback
- Shock-mounted system
- Integrated pop / wind shield
- OLED display to indicate the channel, battery status and frequency
- Programmable button for mute function
- LED to indicated mute or charging status
- Adjustable gain via 2-stage switch (Hi/Low)
- Integrated antenna
- Channel selector buttons
- On/off switch
- Operation with two rechargeable AA NiMH batteries or 1.5 V AA batteries
- Integrated charging contacts
- Intelligent charging technology with auto-off function
- Can be worn around the neck with the ZUV 85 holding sling
- Soft-touch surface for pleasant handling
- Automatic NiMH / Alkaline battery recognition

## COMPONENTS

Synexis TH8 Frequency range  
863 - 865 MHz. . . . . Order # 722.316

## SUPPLIED ACCESSORY

2 x AA 1.2 V / 2050 mAh NiMH rechargeable batteries

## OPTIONAL ACCESSORIES

- |         |  |                 |
|---------|--|-----------------|
| MKV 11  | Microphone clamp for stand-mounting the handheld transmitter . . . . .                               | Order # 407.232 |
| GST 400 | Microphone stand, 3/8", height 0.90 to 1.65 m (2.95 - 5.41 ft.), with G 400 boom. . . . .            | Order # 421.294 |
| GST 400 | Microphone stand, 5/8", height 0.90 to 1.65 m (2.95 - 5.41 ft.), with G 400 boom. . . . .            | Order # 423.130 |
| GST 500 | Microphone stand, 3/8", height 0.80 to 1.60 m (2.79 - 5.25 ft.), with telescopic G 500 boom. . . . . | Order # 406.252 |

## APPLICATIONS

The Synexis TH2 handheld transmitter is used together with the Synexis RP2 beltback receiver for guided tours or conferences. Transmitter and receiver can also be used for multilingual interpretation applications. The transmitter and receiver can also be used in conjunction with hearing aids.

The operation range is approximately 328 ft (100 m) with a line of sight between transmitter and receiver.

The noise-cancelling cardioid microphone effectively eliminates noise. The shock-mounted system ensures a considerable reduction of handling noise. Furthermore, the integrated pop/wind shield ensures optimum intelligibility of speech. The ergonomic design lies comfortably in the hand. All operating elements are within intuitive reach. The functional design avoids accidental rolling away of the handheld transmitter when putting down.

The handheld transmitter provides three different mute functions so that individual agreements are possible. Unintended listening is avoided in this way.

An internal switch allows selecting the gain for close or distant miking. The transmitter is powered by two rechargeable NiMH batteries or 1.5 V AA batteries. Due to the integrated charging contacts the rechargeable batteries can remain in the transmitter during charging. The intelligent charging technology automatically switches off the transmitter when charging. The automatic NiMH / Alkaline battery recognition is an essential safety feature and excludes an incorrect operation.

The OLED display provides a brilliant, easily readable indication of channel, battery status and frequency.

The multifunction LED indicates operation or charging status.

The transmitter can also be worn around the neck with an optional holding sling.

## OPTIONAL ACCESSORIES

- |         |  |                 |
|---------|--|-----------------|
| GST 500 | Microphone stand, 5/8", height 0.80 to 1.60 m (2.79 - 5.25 ft.), with telescopic G 500 boom. . . . . | Order # 406.945 |
| ST 232  | Desk stand, 3/8", height 165 mm (6.5"), diameter 130 mm (5") . . . . .                               | Order # 273.309 |
| ST 600  | Stand, 3/8", height 0.87 - 1.575 m (2.85 - 5.17 ft.), with heavy base plate. . . . .                 | Order # 421.316 |
| WS 500  | Wind shield, black/white (also in black/blue, /yellow, /green, /red available) . . . . .             | Order # 451.479 |
| ZUV 85  | Holding sling . . . . .  | Order # 248.509 |

# Synexis TH8

## ARCHITECT'S SPECIFICATIONS

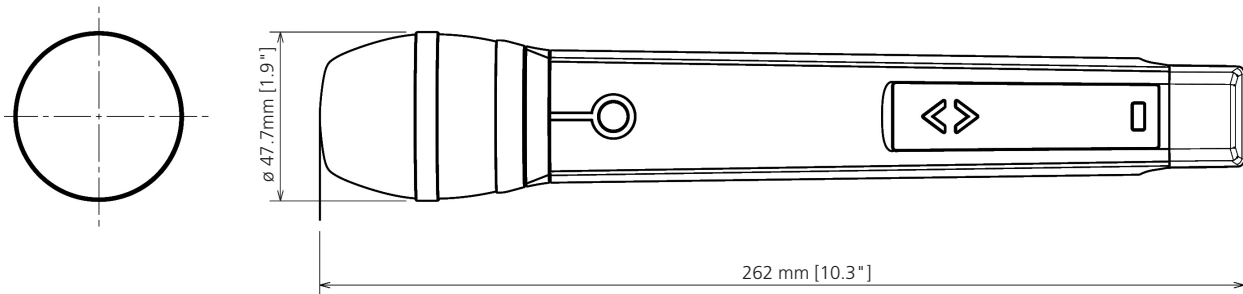
Handheld microphone with 18 selectable frequencies in the frequency range of 863 - 865 MHz. Adjustable gain to meet the ambient sound level. Shock-mounted noise-cancelling cardioid condenser capsule. Integrated pop/wind shield. OLED display to indicate transmitting channel, battery status, operating mode and frequency. Programmable operation button for mute function. LED to display operation or charging status. Integrated antenna. Buttons for channel selection and on/off. Charging contacts integrated in the shaft. Soft-touch surface. Integrated intelligent charging technology with alkaline detection, temperature monitoring and auto-off function. Supplied with two rechargeable NiMH batteries, type LR 6, AA, mignon with a capacity of 2050 mAh.

Manufacturer: beyerdynamic  
Type: Synexis TH8

## TECHNICAL SPECIFICATIONS

Oscillation type . . . . . PLL synthesised control OSC  
Carrier frequency . . . . . 863.150 - 864.850 MHz  
Adjustable frequencies . . . . . 18 pre-programmed, switchable frequencies  
Microphone . . . . . Condenser capsule  
Type of emission . . . . . FM  
DC current . . . . . 165 ±10 mA at 2.4 V  
Max. modulation . . . . . 45 kHz with level limiting  
Modulation . . . . . Hi level: 14 ±1 kHz at Mic Input -40 dBv, f = 1 kHz  
Low level: 8 ±1 kHz  
Compander system . . . . . Compander and ALC  
Frequency response . . . . . 70 Hz - 13 kHz with RP8  
SINAD . . . . . > 40 dB at f = 1 kHz, Mic In = -30 dBv, Hi level  
T.H.D. . . . . < 1%  
Tone output frequency . . . . . 38 kHz  
Tone output modulation . . . . . 2.5 ± 0.5 kHz  
Mute mode . . . . . PTT / PTM / MTG  
Battery . . . . . 1.2 V (Ni-MH 2100 mAh) x 2 AA type, rechargeable  
Operating time . . . . . 12 hours  
Operating range . . . . . 100 m with RP8 (open field)  
Operating temperature . . . . . -10 °C - 60 °C  
OLED display . . . . . Battery, Channel, Frequency, Mute  
LED display . . . . . Mute = red flash 1 Hz  
Talk = blue  
Charging = blue slowly flashing 0.5 Hz  
Full/trickle charging = steady blue  
Error = red fast flashing 7 Hz  
According to regulation . . . . . EN301357  
Dimensions  
Diameter . . . . . 47.7 mm [1.9"]  
Height . . . . . 262 mm [10.3"]  
Weight (without batteries) . . . . . 200 g [0.4 lbs]

## DIMENSIONS



All dimensions in mm and [inch].