



# audio-technica BP898 Omnidirectional Condenser Lavalier Microphone User Manual

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**audio-technica.**

**audio-technica BP898 Omnidirectional Condenser Lavalier Microphone**



Thank you for purchasing this product. Before using the product, read through the user manual to ensure that you will use the product correctly. Please keep this manual for future reference.

## **Safety precaution**

**BP898**

Element	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Cardioid
Frequency response	270-17,000 Hz (50 cm (1.64')), 60-17,000 Hz (10 cm (0.33'))
Low cut *1	80 Hz, 18 dB/octave
Open circuit sensitivity	-42 dB (7.9 mV) (0 dB=1 V/Pa, 1 kHz)
Impedance *1	250 ohms
Maximum input sound level	140 dB SPL (1 kHz at 1% THD)
Noise	28 dB SPL (A-weighted)
Dynamic range	112 dB (1 kHz at Max SPL)
Signal-to-noise ratio	66 dB (1 kHz at 1 Pa, A-weighted)
Phantom power requirements *1	11V-52V DC, 2 mA
Switches *1	Low cut: on/off
Weight	1.6 g (0.06 oz) (Microphone body)
Dimensions	22.3 mm (0.88") long, 5.3 mm (0.21") diameter (Microphone body)
Cable length	1.4 m (4.6')
Output connector	Terminated with cW-style locking 4-pin connector, terminated with cH-style screw-down 4-pin connector, unterminated
Included accessories	Clothing clip base (AT8461a, AT8461a-TH), Windscreens (AT8151a, AT8151a-TH), Case

**BP899**

Element	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Omnidirectional
Frequency response	20-20,000 Hz
Low cut *1	80 Hz, 18 dB/octave
Open circuit sensitivity	BP899: -42 dB (7.9 mV) (0 dB=1 V/Pa, 1 kHz) BP899L: -48 dB (3.9 mV) (0 dB=1 V/Pa, 1 kHz)
Impedance *1	250 ohms
Maximum input sound level	BP899: 140 dB SPL (1 kHz at 1% THD) BP899L: 146 dB SPL (1 kHz at 1% THD)
Noise	BP899: 28 dB SPL (A-weighted) BP899L: 34 dB SPL (A-weighted)
Dynamic range	112 dB (1 kHz at Max SPL)
Signal-to-noise ratio	BP899: 66 dB (1 kHz at 1 Pa, A-weighted) BP899L: 60 dB (1 kHz at 1 Pa, A-weighted)
Phantom power requirements *1	11V-52V DC, 2 mA
Switches *1	Low cut: on/off
Weight	1.2 g (0.04 oz) (Microphone body)
Dimensions	17.5 mm (0.69") long, 5.3 mm (0.21") diameter (Microphone body)
Cable length	1.4 m (4.6')
Output connector	Terminated with cW-style locking 4-pin connector, terminated with cH-style screw-down 4-pin connector, unterminated
Included accessories	Clothing clip base (AT8461a, AT8461a-TH), Windscreens (AT8151a, AT8151a-TH), Resonance caps (AT8150a, AT8150a-TH), Case

Although this product was designed to be used safely, failing to use it correctly may result in an accident. To ensure safety, observe all warnings and cautions while using the product.

## Cautions for the product

- Do not subject the product to strong impact to avoid malfunction.
- Do not disassemble, modify or attempt to repair the product.
- Do not handle the product with wet hands to avoid electric shock or injury.
- Do not store the product under direct sunlight, near heating devices or in a hot, humid or dusty place.

## Notes on use

- Make sure to hold the plug when connecting and disconnecting the cable. The cable may become severed or an accident may occur if you pull on the cable itself.
- When using the cable, be careful not to twist it to prevent damage to the cable.
- When plugging the cable into the microphone and the connected device, check that the connector is facing in the correct direction before inserting it straight. Inserting the connector or plug diagonally may cause a malfunction.
- Be sure to slide the resonance cap as far as it will go onto the microphone so that it fits securely.
- Push the windscreen all the way onto the microphone so that it attaches securely to the microphone's base.
- Remove the windscreen by pinching the plastic part at the base. If you pull only on the sponge part of the



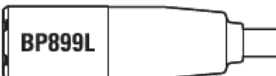
windscreen, the sponge part may be damaged.





- When removing the windscreen with the resonance cap installed, make sure the resonance cap is not left inside the windscreen.

## Specifications

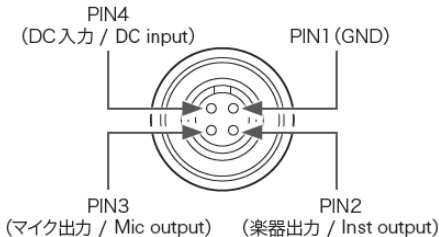
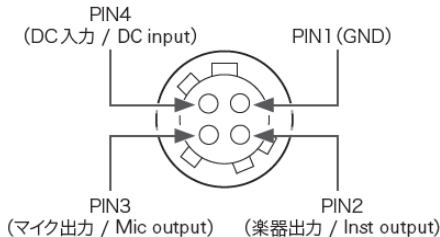
- 1 Products with power modules
- 1 Pascal = 10 dynes/cm<sup>2</sup> = 10 microbars = 94 dB SPL
- For product improvement, the product is subject to modification without notice.

## Product List

外観図 View	モデル名 Model name	出力コネクター Output connector	
			パワーモジュール Power module
	BP898	cHコネクター cH connector	AT8545 × 1
	BP898cW	cW コネクター cW connector	—
	BP898cH	cHコネクター cH connector	
	BP898c	先バラ Unterminated	
	BP899	cHコネクター cH connector	AT8545 × 1
	BP899cW	cW コネクター cW connector	—
	BP899cW-TH (ベージュ / Beige)		
	BP899cH	cHコネクター cH connector	
	BP899cH-TH (ベージュ / Beige)		
	BP899c	先バラ Unterminated	
	BP899c-TH (ベージュ / Beige)		
	BP899L	cHコネクター cH connector	AT8545 × 1
	BP899LcW	cW コネクター cW connector	—
	BP899LcW-TH (ベージュ / Beige)		
	BP899LcH	cHコネクター cH connector	
	BP899LcH-TH (ベージュ / Beige)		
	BP899Lc	先バラ Unterminated	
	BP899Lc-TH (ベージュ / Beige)		

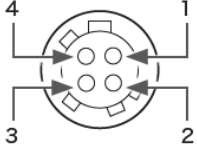
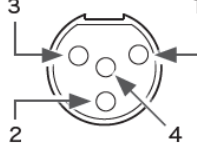
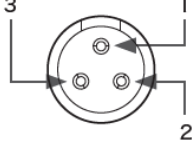
タイピンクリップ Clothing clip base 	ウィンドスクリーン Windscreen 	レゾナンスキャップ Resonance cap 	ケース Case 
AT8461a × 1	AT8151a × 2	—	1
AT8461a × 1	AT8151a × 2	AT8150a × 2	1
AT8461a-TH × 1	AT8151a-TH × 2	AT8150a-TH × 2	
AT8461a × 1	AT8151a × 2	AT8150a × 2	
AT8461a-TH × 1	AT8151a-TH × 2	AT8150a-TH × 2	
AT8461a × 1	AT8151a × 2	AT8150a × 2	
AT8461a-TH × 1	AT8151a-TH × 2	AT8150a-TH × 2	
AT8461a × 1	AT8151a × 2	AT8150a × 2	1
AT8461a-TH × 1	AT8151a-TH × 2	AT8150a-TH × 2	
AT8461a × 1	AT8151a × 2	AT8150a × 2	
AT8461a-TH × 1	AT8151a-TH × 2	AT8150a-TH × 2	
AT8461a × 1	AT8151a × 2	AT8150a × 2	
AT8461a-TH × 1	AT8151a-TH × 2	AT8150a-TH × 2	

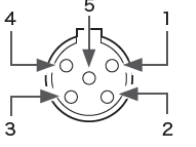
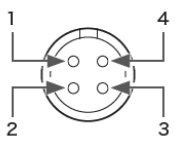
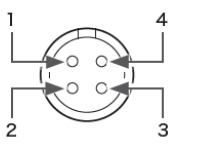
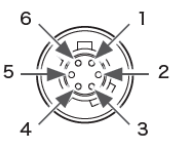
## Output connector

cHコネクタ / cH connector	cWコネクタ / cW connector
	

## Unterminated cable (sold separately) Specifications

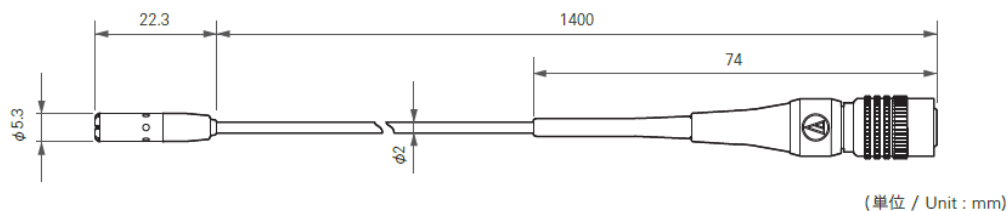
Refer to the table below for connector pin assignments to connect with wireless transmitters developed by other manufacturers. Also note that a load resistance may be required. Contact the respective manufactures for the load resistance value recommendation.

メーカー Manufacturer	Audio-Technica		SHURE		SENNHEISER	
ピン配列 (インサート面) Pin assignment (Insert surface)						
ピン No. Pin No.	ピンアサイン Pin assignment	ケーブルカラー Cable color	ピンアサイン Pin assignment	ケーブルカラー Cable color	ピンアサイン Pin assignment	ケーブルカラー Cable color
1	GND/シールド GND/Shield	銅色 Copper	GND/シールド GND/Shield	銅色 Copper	GND/シールド GND/Shield	銅色、白色 Copper, White
2	楽器出力 Inst output	Pin1と接続 Connect to Pin1	DCバイアス入力 DC BIAS input	赤色 Red	N/C	オープン Open
3	マイク出力 Mic output	白色 White	マイク出力 Mic output	白色 White	マイク出力、 DCバイアス入力 Mic output, DC BIAS input	赤色 Red
4	DC入力 DC input	赤色 Red	ソース抵抗 Source resistance	Pin3と接続 Connect to Pin3	—	—
5	—	—	—	—	—	—
6	—	—	—	—	—	—
ケース Case	—	—	—	—	—	—

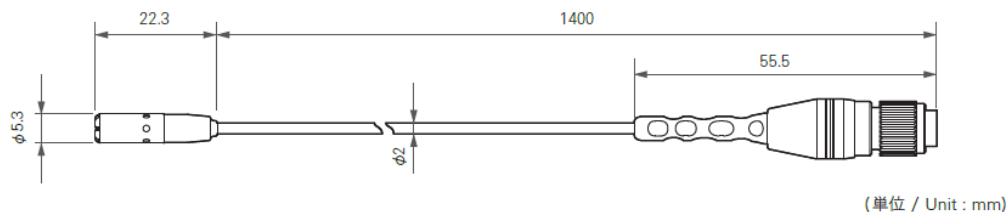
Lectrosonics		SONY		RAMSA		SAMSON	
							
ピンアサイン Pin assignment	ケーブルカラー Cable color	ピンアサイン Pin assignment	ケーブルカラー Cable color	ピンアサイン Pin assignment	ケーブルカラー Cable color	ピンアサイン Pin assignment	ケーブルカラー Cable color
GND/シールド GND/Shield	銅色 Copper	DCバイアス入力 DC BIAS input	赤色 Red	マイク出力 Mic output	白色 White	DCバイアス入力 DC BIAS input	赤色 Red
DCバイアス入力 DC BIAS input	赤色 Red	マイク出力+ Mic output (+)	白色 White	N/C	オープン Open	マイク出力 Mic output	白色 White
マイク出力 Mic output	白色 White	マイク出力- Mic output (-)	Pin4と接続 Connect to Pin4	DCバイアス入力 DC BIAS input	赤色 Red	ソース抵抗 Source resistance	Pin2と接続 Connect to Pin2
ソース抵抗 Source resistance	Pin1と接続 Connect to Pin1	GND/シールド GND/Shield	銅色 Copper	GND/シールド GND/Shield	銅色 Copper	楽器出力 Inst output	オープン Open
ライン出力 Line output	オープン Open	—	—	—	—	ソース抵抗 Source resistance	Pin6と接続 Connect to Pin6
—	—	—	—	—	—	GND/シールド GND/Shield	銅色 Copper
—	—	—	—	—	—	—	—

## Dimensions

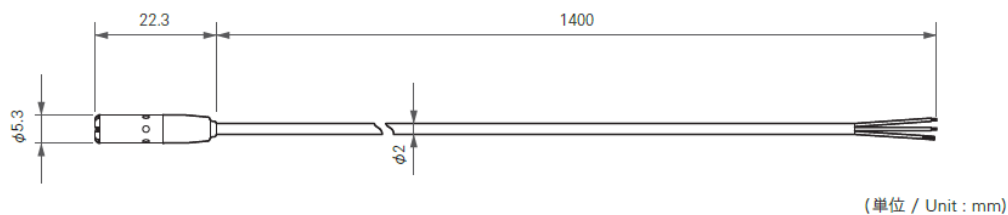
■ BP898cW



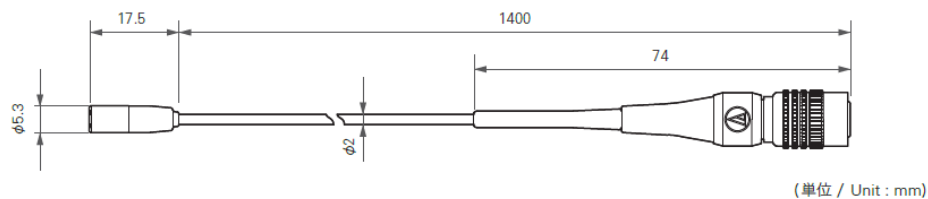
■ BP898cH



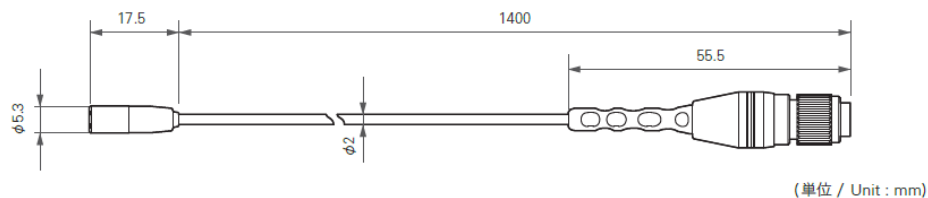
■ BP898c



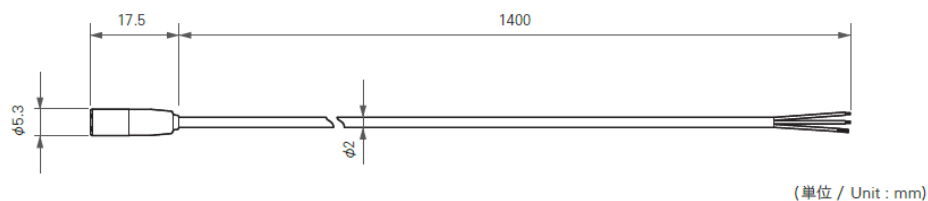
■ BP899cW / BP899cW-TH / BP899LcW / BP899LcW-TH



■ BP899cH / BP899cH-TH / BP899LcH / BP899LcH-TH



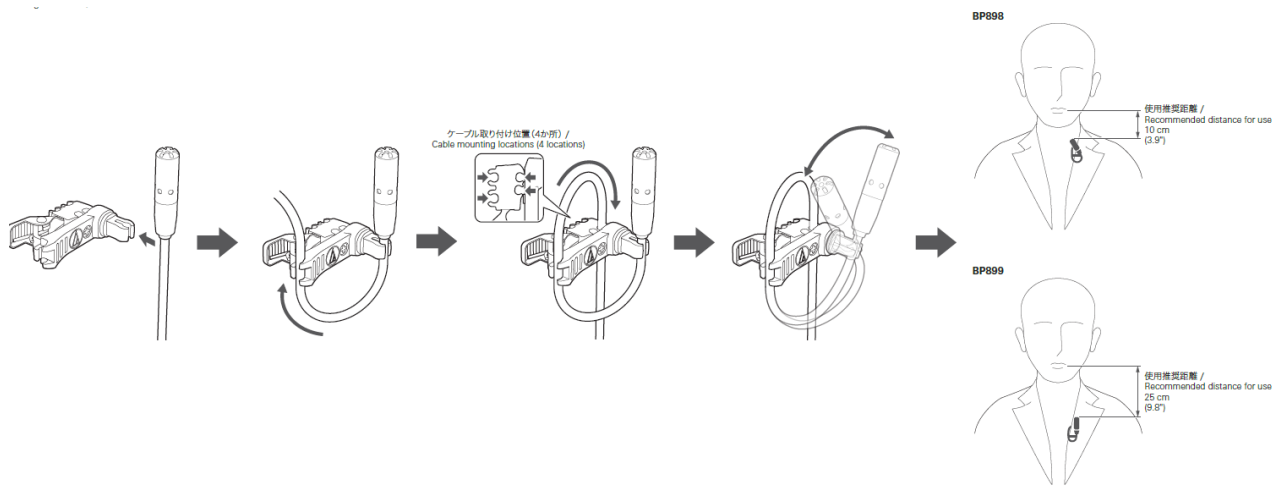
■ BP899c / BP899c-TH / BP899Lc / BP899Lc-TH



## Using the clothing clip base (BP898/BP899)

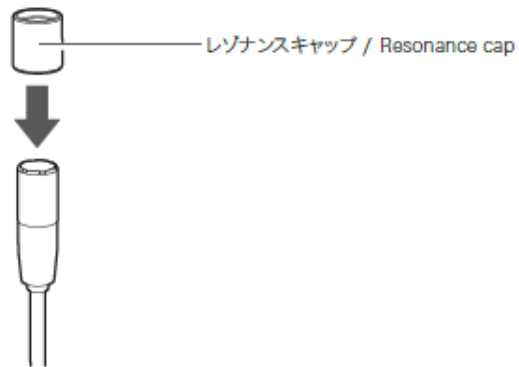
The figure is BP898.





## Attaching the resonance cap (BP899)

- To boost high frequencies and improve intelligibility, slide one of the resonance caps onto the microphone.
- Be sure to slide the resonance cap as far as it will go onto the microphone so that it fits securely.

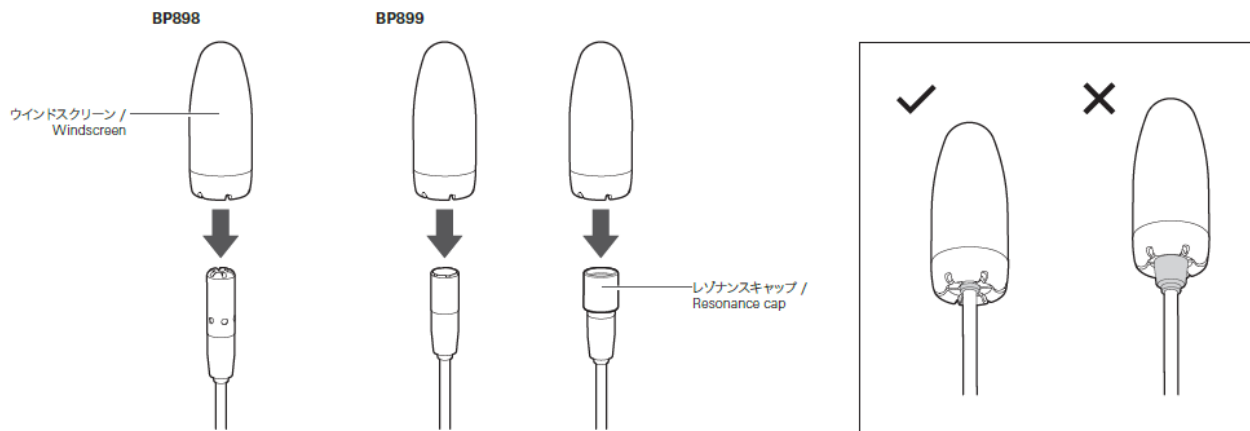


## Using by taping or securing the microphone to a person (BP899)



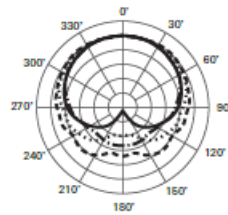
## Attaching the windscreen (BP898/BP899)

- Push the windscreen all the way onto the microphone so that it attaches securely to the microphone's base.
- Remove the windscreen by pinching the plastic part at the base. If you pull only on the sponge part of the windscreen, the sponge part may be damaged.
- When removing the windscreen with the resonance cap installed, make sure the resonance cap is not left inside the windscreen.



## Polar pattern

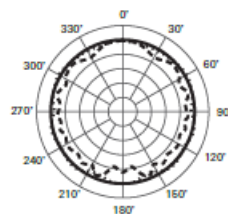
### BP898



#### 凡例 / LEGEND

200 Hz	-----	音圧スケールは 1 目盛 5dB SCALE IS 5 DECIBELS PER DIVISION
1 kHz	————	
5 kHz	.....	
8 kHz	-----	

### BP899

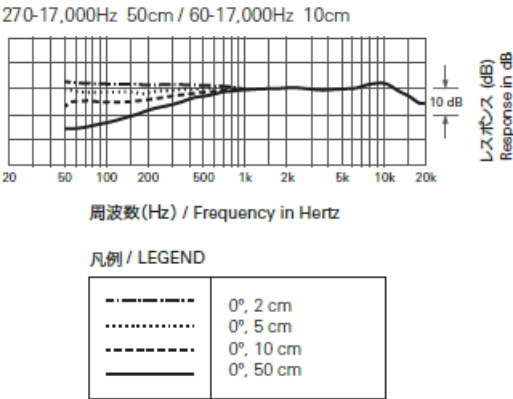


#### 凡例 / LEGEND

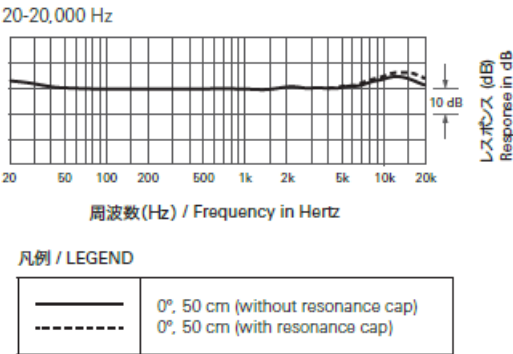
1 kHz	————	音圧スケールは 1 目盛 5dB SCALE IS 5 DECIBELS PER DIVISION
5 kHz	.....	
12 kHz	-----	

## Frequency response

■ BP898



■ BP899



Documents / Resources

	<a href="#">audio-technica BP898 Omnidirectional Condenser Lavalier Microphone</a> [pdf] User Manual BP898, BP899, BP898 Omnidirectional Condenser Lavalier Microphone, BP898, Omnidirection al Condenser Lavalier Microphone
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References

- [US Warranties](#)
- [Audio-Technica Corporation](#)
- [Audio-Technica Corporation | Headphones, Microphones & Turntables](#)
- [Audio-Technica Corporation | Headphones, Microphones & Turntables](#)
- [Audio-Technica Corporation | Headphones, Microphones & Turntables](#)