

### EJ-700DR series UHF-PLL 96-ch Diversity Wireless Microphone System

| Key Specifications / Overall system |   |
|-------------------------------------|---|
| Oscillation type                    | PLL synthesized control OSC   |
| Carrier frequency range             | group① 740 ~ 752 MHz (96 ch.)<br>group② 794 ~ 806 MHz (96 ch.)<br>group③ 863 ~ 865 MHz (16 ch.) |
| Adjustable frequency                | pre-programmed max. 96 switchable channels  |
| Display status                      | LCD indicator displays channel or frequency, battery life (transmitter)                         |
| Channel select                      | SET, UP, DOWN key   |
| Switching bandwidth                 | max. 12 MHz   |
| Ambient temperature                 | -10 °C ~ 50 °C  |
| Maximum deviation                   | 80 kHz, with level limiting   |
| Dynamic range                       | 110 dB  |
| T.H.D.                              | less than 0.5 %   |
| Pre/De-emphasis                     | 50 μs   |
| Squelch                             | tone key and noise lock dual-squelch  |
| Frequency response                  | 70 Hz ~ 17 kHz  |
| Operating range                     | 70 ~ 100 M (opening field)  |

### DR-701 Receiver Module

|                              |                        |
|------------------------------|------------------------|
| Antenna mode                 | Diversity              |
| Sensitivity                  | 4 μV @ 30 dB SINAD     |
| Double intermediate          | 110.6 MHz / 10.7 MHz   |
| RF spurious rejection        | 70 dB                  |
| Adjacent channel performance | 68 dB @ 250 kHz        |
| IMD rejection                | 58 dB                  |
| Dimensions                   | D 128 x W 88 x H 37 mm |
| Weight                       | 110 g                  |

### EJ-701DR / EJ-702DR Receiver

|                    |  |
|--------------------|--|
| Receiver Module    | DR-701 x 1 (EJ-701DR), DR-701 x 2 (EJ-702DR)       |
| Antenna            | TNC connector swivel antenna                       |
| Audio output       | 6.3 Ø Mic-out (mixer), XLR-Balanced                |
| Output level       | Mic-out 80 mV @ 600 Ω, XLR-Balanced 700 mV @ 10 kΩ |
| Power requirements | 100 ~ 240 VAC / 12 VDC, 1A switching power supply  |
| Dimensions         | D 210 x W 215 x H 44 mm                            |
| Weight             | 1.2 / 1.4 kg                                       |

### EJ-703DR / EJ-704DR Receiver

|                    |   |
|--------------------|---|
| Receiver Module    | DR-701 x 2 (EJ-703DR), DR-701 x 4 (EJ-704DR)            |
| Antenna            | TNC connector swivel antenna                            |
| Audio output       | XLR-Combo Mic-out (mixer), XLR-Balanced                 |
| Output level       | Mic-out 80mV @ 600 Ω, XLR-Balanced 700 mV @ 10 kΩ       |
| Power requirements | 100 ~ 240 VAC / 12 VDC, 2A switching power supply       |
| DC-out connector   | 5 V / 500 mA x 2 (for EJ-701TS charger / EJ-703DR only) |
| Dimensions         | D 210 x W 430 x H 44 mm                                 |
| Weight             | 2.2 / 2.4 kg  |

### AD-704 UHF Antenna Distribution System

|                       |                         |
|-----------------------|-------------------------|
| Antenna connector     | TNC female              |
| OIP3                  | +42.0 dBm               |
| Gain                  | +3 dB                   |
| Output port isolation | 20 dB (min.)            |
| Impedance             | 50 Ω                    |
| Power requirements    | 12 ~15 VDC              |
| current consumption   | 400 mA                  |
| Dimensions            | D 210 x W 430 x H 44 mm |
| Weight                | 2.0 kg                  |

### AB-70R UHF Antenna Booster

|                         |                        |
|-------------------------|------------------------|
| Carrier frequency range | 740 ~ 865 MHz          |
| Antenna connector       | TNC female             |
| OIP3                    | +42.0 dBm              |
| Gain                    | +10 dB                 |
| Impedance               | 50 Ω                   |
| Power requirements      | 6 ~12 VDC              |
| current consumption     | 200 mA                 |
| Dimensions              | D 101 x W 31 x H 31 mm |
| Weight                  | 140g                   |

### EJ-7LT / EJ-7XT Bodypack Transmitter

|                                  |  |
|----------------------------------|--|
| Mike                             | condenser Mic.   |
| Antenna                          | flexible antenna   |
| RF output                        | 10 mW  |
| Spurious emission                | less than 250 nW   |
| Audio input                      | Mic in, Aux in   |
| Input jack                       | screw-type (EJ-7LT), mini-XLR (EJ-7XT)   |
| AF controls                      | Mute switch, Hi/Mid/Low switch   |
| Battery                          | 1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable battery<br>1.5 V x2 AA Alkaline disposable |
| Battery life Ni-MH, rechargeable | 11 hours typical   |
| Battery life Alkaline disposable | 14 hours typical   |
| Housing                          | aluminium  |
| Dimensions                       | D 26 x W 64 x H 88 mm  |
| Weight with battery              | 170 g  |

### EJ-701TS / EJ-701TM Handheld Microphone

|                                  |   |
|----------------------------------|---|
| Mike                             | dynamic capsule (EJ-701TS) or cardioid condenser capsule (EJ-701TM)                         |
| Antenna                          | built-in  |
| RF output                        | 10 mW   |
| Spurious emission                | less than 250 nW  |
| AF control                       | Hi / Low / Mute switch  |
| Battery                          | 1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable battery<br>1.5 V x 2 AA Alkaline disposable |
| Battery life Ni-MH, rechargeable | 11 hours typical  |
| Battery life Alkaline disposable | 14 hours typical  |
| Dimensions                       | Dia 46 x L 264 mm   |
| Weight with battery              | 280 g   |

### HDC 707 Dual-slot Charger

|                                 |  |
|---------------------------------|--|
| Number of charging compartments | 2 (receiver or transmitter)                                    |
| Power requirement               | 115 V or 230 V AC adaptor 12 V DC, 500 mA                      |
| Indicator lights                | ON-Battery charging (LED orange). OK-Battery ready (LED green) |
| Charging current                | 450 ~ 500 mA   |
| Charging time (Ni-MH, 1300 mAh) | 3 ~ 4 hours  |
| Dimensions                      | D 84 x W 106 x H 74 mm   |
| Weight                          | 160 g  |

## ACCESSORIES



■ LM-90S  
Lapel Microphone  
(Cardioid)(for EJ-7LT)



■ HM-50S  
Headset Microphone  
(for EJ-7LT)



■ LM-90C  
Lapel Microphone  
(Cardioid)(for EJ-7XT)



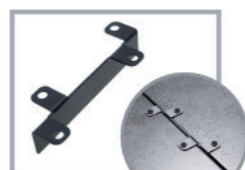
■ HM-50C  
Headset Microphone  
(for EJ-7XT)



■ HM-60C  
Headset Microphone  
(for EJ-7XT)



■ 701TS  
(for EJ-701TS)



■ BT-700  
T-type assemble bracket  
(for 1/2 U set)



■ BL-700  
L-type fixed bracket  
(for front panel)



■ L-707  
Leather Holster  
(for EJ-7LT/EJ-7XT)

### DR-701 Receiver Module

|                              |   |
|------------------------------|---|
| Display status               | LCD indicator displays channel or frequency |
| Frequency Controls           | SET, UP, DOWN key                           |
| Antenna mode                 | Diversity                                   |
| Sensitivity                  | 4 μV @ 30 dB SINAD                          |
| Double intermediate          | 110.6 MHz / 10.7 MHz                        |
| RF spurious rejection        | 70 dB                                       |
| Adjacent channel performance | 68 dB @ 250 kHz                             |
| IMD rejection                | 58 dB                                       |
| Antenna                      | Built-in or external                        |
| Dimensions                   | D 128 x W 88 x H 37 mm                      |
| Weight                       | 110 g                                       |



ISO 9001:2000

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**EJ-701DR/EJ-702DR/EJ-703DR/EJ-704DR**  
UHF DIVERSITY WIRELESS MICROPHONE SYSTEMS

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# EJ-701DR/EJ-702DR/EJ-703DR/EJ-704DR

## UHF DIVERSITY WIRELESS MICROPHONE SYSTEMS

EJ-700DR series is a UHF band, PLL synthesized diversity wireless microphone system, equipped with 4 receiver modules in maximum. Programmed 96 selectable frequencies make it easy to choose available interference-free channels. Simplified and understandable operation design makes this unit highly user-friendly.

### System Features:

- LCD display, LED indicator and backlit make this unit easy understanding.
- Simplified design makes it highly user-friendly by UP, DOWN and SET button.
- Compact and economy unit, EJ-701DR / EJ-702DR only 1/2 U in size.
- Optional L rack available for mounting.
- Balanced XLR connectors and unbalanced 6.3mm jack available for different purposes.
- Tone-key squelch available to eliminate external noise.
- Effective communication distance.
- EJ-701TS / EJ-701TM (handheld microphone) and EJ-7LT / EJ-7XT (bodypack transmitter) could work with EJ-700DR series perfectly.



**HDC-707**  
Dual-slot Charger



**EJ-701DR**  
Single-channel Diversity Receiver



**EJ-702DR**  
Dual-channel Diversity Receiver



**EJ-703DR**  
Dual-channel Diversity Receiver



**EJ-704DR**  
Quad-channel Diversity Receiver

### Option:



### AD-704 UHF ANTENNA DISTRIBUTION SYSTEM

AD-704 antenna distribution system is designed to work with UHF diversity EJ-700DR series & true diversity AR-700 series. Specific circuit design and advanced MMIC components adopted make it able to enhance wireless reception distance and lessen distortion to a really low level. AD-704 can connect up to 4 receivers just with a pair of antennas - quite simplifies the antenna installation clutter. AB-70R, an optional antenna booster, could be equipped with AD-704 and powered by the connector.



### AB-70R UHF ANTENNA BOOSTER

AB-70R, UHF antenna booster provides 10 dB gain to improve RF signal strength. Ensuring wide reception range and better S/N ratio. (for AD-704 only)



### EJ-701TS / EJ-701TM Handheld Microphone

- Artistic streamlined housing.
- With LCD display to show the selected channel, frequency, battery condition, and error code.
- Four different colors of rear-caps to identify a particular microphone on stage.
- Steel microphone head-grill design for avoiding pop and wind noises.
- With cardioid dynamic capsule (EJ-701TS) or condenser capsule (EJ-701TM).
- Professional application with adjustable Hi/Low/Mute sensitivity.
- High efficient transmission and low battery consumption.
- Different color clips used for identification, protecting shock from tube-end and preventing battery cover from slipping.
- Powered by 5V switching adapter or through DC-OUT on EJ-703DR.



EJ-7LT

EJ-7XT

### EJ-7LT / EJ-7XT Bodypack Transmitter

- Artistic metal case design.
- With LCD display to show the selected channel, frequency, battery condition, and error code.
- With 3.5mm screw-type Mic. input jack (EJ-7LT) or 3-pin mini XLR Mic. input jack (EJ-7XT).
- Unique MUTE button to control the performance perfectly.
- Professional application with adjustable Hi/Mid/Low sensitivity.
- High efficient transmission and low battery consumption.
- Incorporated with rechargeable function to match our dual-slot charger HDC-707.