Comet Co., Ltd.
Head Office 4-18-2 Tsuji, Minami Ku, Saitama City, Saitama Pref 336-0026
TEL 048-839-3131  FAX 048-839-3136
http://www.comet-ant.co.jp/

1.8-500MHz, Standing Wave Analyzer

**CAA-500 MarkII**

- Frequency Range: 1.8-500 MHz
- Measured SWR Range: Analog 1.0-6.0 LCD 1.0-9.9
- Impedance Range: 12.5-300 Ohms
- Resistance Range: 10-500 Ohms
- Reactance Range: 0-500 Ohms
- RF Connectors: VHF: SO239 type UHF: N type
- Power Source: 6 AA (Alkaline) or Ni-MH Cells
- Dimension: 89x196x70 (mm)
- Weight: Approx. 800g
Wireless LAN

CHL/SUPER SLIM SERIES

US Marines M2C2 Vehicle (Photo by Pfc. Daniel Boothe)

For Mobiles 2.4GHz band

- **IEEE802.11 standard**

<table>
<thead>
<tr>
<th>Antenna</th>
<th>Band</th>
<th>Frequency</th>
<th>Gain (dBi)</th>
<th>Type</th>
<th>Polarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-D245</td>
<td>2.4GHz</td>
<td>2.4GHz-2.48GHz</td>
<td>6</td>
<td>N-type Male connector (400Ω)</td>
<td>Vertical</td>
</tr>
<tr>
<td>SF-D245P</td>
<td>2.4GHz</td>
<td>2.4GHz-2.48GHz</td>
<td>6</td>
<td>N-type Female connector (400Ω)</td>
<td>Vertical</td>
</tr>
</tbody>
</table>

144/430MHz Dual Band

- **Reliable Transmission: High-tech Dual Band**

**CHL-19**
- Length: 0.68m
- 144MHz: 0.5-60MHz Non-standby
- 430MHz: 3.5-5GHz Non-standby

**CHL-25S**
- Length: 0.98m
- 144MHz: 0.5-60MHz Non-standby
- 430MHz: 3.5-5GHz Non-standby

**CHL-25B**
- Length: 0.98m
- 144MHz: 0.5-60MHz Non-standby
- 430MHz: 3.5-5GHz Non-standby

**CHL-250H**
- Length: 1.0m
- 144MHz: 0.5-60MHz Non-standby
- 430MHz: 3.5-5GHz Non-standby

**CHL-2510**
- Length: 1.0m
- 144MHz: 0.5-60MHz Non-standby
- 430MHz: 3.5-5GHz Non-standby

144/430MHz Dual Band Slim Mobile Antenna

- **"SB" refers to the black model**

**Super Slim**

<table>
<thead>
<tr>
<th>Antenna</th>
<th>Band</th>
<th>Frequency</th>
<th>Gain (dBi)</th>
<th>Type</th>
<th>Polarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-D24S</td>
<td>2.4GHz</td>
<td>2.4GHz-2.48GHz</td>
<td>6</td>
<td>N-type Male connector (400Ω)</td>
<td>Vertical</td>
</tr>
<tr>
<td>SF-D24SPR</td>
<td>2.4GHz</td>
<td>2.4GHz-2.48GHz</td>
<td>6</td>
<td>N-type Female connector (400Ω)</td>
<td>Vertical</td>
</tr>
</tbody>
</table>

**SS$390S**
- Length: 0.39m
- 144/430MHz: 0.5-60MHz Non-standby

**SS$400**
- Length: 0.40m
- 144/430MHz: 0.5-60MHz Non-standby

**SS$460S**
- Length: 0.46m
- 144/430MHz: 0.5-60MHz Non-standby

**SS$680S**
- Length: 0.68m
- 144/430MHz: 0.5-60MHz Non-standby

**SS$780S**
- Length: 0.78m
- 144/430MHz: 0.5-60MHz Non-standby

**GP-D2413**
- Length: 1.08m

**GP-D2422**
- Length: 1.78m

**GP-D2422-3**
- Length: 1.78m
144/430MHz Dual Band
- Weight: 10g
- Noise Figure: 2.3dB
- Max Power: 1250mW

UHF-4
- Weight: 82g
- Max Power: 2W
- Noise Figure: 1.2dB

HM-50/144/430MHz Multi Band
- Weight: 92g
- Noise Figure: 1.2dB

Fiber Glass Radial
Suitable for mobiles/verandah

VM-1
- Weight: 29g
- Noise Figure: 1.5dB

CA2X4SR
- Weight: 30g
- Noise Figure: 1.5dB

Wide band biconical
The Biconical Antenna allows for clear transmission and reception with minimal QSB

Discone Antennas capable of wide band transmission and reception

RSeries Antenna Installation Pickering
- Weight: 1.17m
- Noise Figure: 2dB
- Max Power: 1000mW

Reliably capture signals from the skies above: VHF/UHF Band Exclusive Dual Antennas

DS747PR
- Weight: 0.84m
- Noise Figure: 1.2dB

AB-3SH
- Weight: 0.8g
- Noise Figure: 1.5dB

AB-1230M (Mobile)
- Weight: 1.15g
- Noise Figure: 2.5dB

AB-35W
- Weight: 0.8g
- Noise Figure: 2.0dB
### HANDY MATE/GP SERIES

**SMA Series**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMA3</td>
<td>144/430/900MHz Triple Band</td>
</tr>
<tr>
<td>SMA501</td>
<td>Length: 4.6cm</td>
</tr>
<tr>
<td>SMA503</td>
<td>Length: 22cm</td>
</tr>
<tr>
<td>SMA701</td>
<td>Length: 4.6cm</td>
</tr>
<tr>
<td>SMA703</td>
<td>Length: 17cm</td>
</tr>
<tr>
<td>SMA726</td>
<td>Length: 51cm</td>
</tr>
</tbody>
</table>

**50/144/430MHz Triple Band**

- **SMA24**
- **SMA24J**

**GP SERIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GP-95</td>
<td>Length: 2.42m</td>
</tr>
<tr>
<td>GP-98</td>
<td>Length: 2.94m</td>
</tr>
</tbody>
</table>

### SPECIAL MONO/DUAL BAND GP

- **50MHz Mono Band**
  - Non-radial Shared GP for Fixed and Marine Use in Salt-affected Areas
  - Length: 2.4m
  - Frequencies: 50MHz ±1.2GHz
  - Max Power: 15W
  - Adjuster: Slide Type

### TRIPLE BAND GP

- **50/144/430MHz Triple Band**

### 144/430/1200MHz Triple Band

- **SMA3**
- **SMA501**
- **SMA503**
- **SMA701**
- **SMA726**

### 144/430MHz Dual Band

- **GP-15**
- **GP-15N**
- **GH-50**
- **GH-70**

### 430/1200MHz Dual Band

- **GP-93**
- **GH80**

---

**HANDBOOK MATE/GP SERIES**

- The SMA series is lightweight, flexible element compact antennas for the easy model handheld device and compact receivers.
- SMA connectors adopted. Capable of wideband reception. Compatible with the new model handheld devices and compact receivers.

---

**Accessories**

- **Cable**
- **Antenna Base**
- **Antennas**
**HF DIPOLE**

**High Power Capable V Type Rotary Dipole**

- V Type Dipole with a small radius of gyration.
- High Radiation Efficiency and low SWR achieved.
- Switching between Horizontal ↔ V Type is easy!
- Fine tuning the 7MHz band can be accomplished by simply extending or retracting the element.

**H-722**

- **Length:** 8.8 m (when Horizontal Dipole) 6.8 m (when V Type Dipole)
- 7/2/1/8MHz V Type Dipole (Also possible with Horizontal Type)
- **Weight:** 4.9 kg
- **Wire Band:** No adjustment for 21/24MHz Band
- **Frequency:** 7/2/1/8MHz
- **Max Power:** 1kW (SWR 50)
- **Swing Area:** 27m²

**H-422**

- **Length:** 10.3 m (when Horizontal Dipole) 7.4 m (when V Type Dipole)
- 7/14/21/28MHz V Type Dipole (Also possible with Horizontal Type)
- **Weight:** 5.5 kg
- **Wire Band:** No adjustment for 21/24MHz Band
- **Frequency:** 7/14/21/28MHz
- **Max Power:** 1kW (SWR 50)
- **Swing Area:** 27m²
- **Max Power:** 1kW (SWR 50)
- **Installed Mat:** 38 × 62 cm
- **Frequency can be adjusted through the assembly length of the element.**

---

**Dipole Antenna Set**

The Dipole Antenna is the perfect antenna for HF Band beginners as it's easy to install and simple to adjust.

The HF Band Dipole Antenna Set includes a CBL-1000 Balun, Insulator, Rope, Antenna Wire and Loading Coil. The More Band Set includes a CBL-1000 Balun, Insulator, Rope and Antenna Wire.

---

**Mono Band Dipole Antenna Set**

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWA-3S</td>
<td>3.5MHz</td>
<td>44m</td>
</tr>
<tr>
<td>CWA-3.5H</td>
<td>3.5MHz</td>
<td>46m</td>
</tr>
<tr>
<td>CWA-7</td>
<td>7MHz</td>
<td>23m</td>
</tr>
<tr>
<td>CWA-7H</td>
<td>7MHz</td>
<td>25m</td>
</tr>
</tbody>
</table>

---

**HF Band Dipole Antenna Set**

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWA-40</td>
<td>5.5/7MHz</td>
<td>27.8m</td>
</tr>
<tr>
<td>CWA-41S</td>
<td>7/21MHz</td>
<td>13.8m</td>
</tr>
<tr>
<td>CWA-1000</td>
<td>15/7/24/28MHz</td>
<td>13.9m</td>
</tr>
</tbody>
</table>

---

**Balun**

**Wide Band Balun**

- **CBL2500**
  - 2.5kW Type: 1.6 ~ 50MHz
  - SWR: Under 1.1: 2.5kW (PEP)

- **CBL1000**
  - 1kW Type: 1.7 ~ 30MHz
  - SWR: Under 1.1: 1kW (PEP)
**POLE CABLE ASSEMBLY**

**Mobile Aluminium Pole**

- **CP-45 Length: 4.5m**
  - Assembly Length: Maximum 4.5m (step 1.26m) (Minimum)
  - Pipe diameter: 32.0-34.6
  - Assembly Method: Telescope, Weight: 1.28kg
  - Features: Comes with Installation Plugs. Safety feature implemented to prevent your hands from getting caught. Strengthened Fixed Screw Type.

- **YS-45 Tripod for CP-45**
  - Pipe Catch diameter: 34.6kg
  - Weight: 0.85m
  - Dimension when folded: 3.2kg
  - Max. Length: Radius: 0.5m, Weight: 1.2kg
  - Maximum Installation: Weight: 10kg (Adjustable max. 4m)

- **CP-80L Length: 8.05m**
  - Assembly Length: Maximum 8.05m (Step 1.7m) (Minimum)
  - Pipe diameter: 32.0-34.6
  - Assembly Method: Telescope, Weight: 2.48kg
  - Lock pin implemented on each step of the CP-45 to prevent a vertical drop.

**Through Window Cable**

- **CTC-50M**
  - Frequency: 0.6-1.000MHz
  - Max Power: 5.0-500Hz
  - 1.0MHz, 200kHz, 50kHz, 5kHz, 1kHz
  - 2kHz, 5kHz, 10kHz, 20kHz
  - Impedance: 500Ω
  - Insertion Loss: 0.03dB (0.0-500kHz), 0.06dB (500kHz-2kHz), 0.08dB (2kHz-5kHz), 0.12dB (5kHz-10kHz), 0.15dB (10kHz-20kHz)
  - Connector: M-M
  - Cable Length: Approx. 50m
  - Weight: Approx. 1.28kg

- **Antenna side cable Connector: Radio side cable**

**Mobile Quick Pole Stand**

- **MCBIII**
  - Installable Pole Diameter: 30-50mm
  - Installable Antenna Weight: Depends on the standards of the pole used. (Approx. 10kg)
  - Max. Basic Weight: Approx. 4.2kg
  - Size: 60×36×46mm Weight: 6.8kg Length: 110mm

---

**K Series Cable**

- The LX/CK Car coaxial cable has been renewed and reintroduced as the K Series. The coaxial cable is now on sale, with a lineup that has been further expanded in renewed packaging, using the high quality, low loss Fujikura brand, as in the past.

- **Model Number Example**
  - 3K100M

- **Connection Example**
  - **R01744/U**
  - **Model Length Connector**
  - **FS10M** 1.0m FME-PMP
  - **FS15M** 1.5m FME-PMP
  - **FS20M** 2.0m FME-PMP
  - **FS25M** 2.5m FME-PMP
  - **FS30M** 3.0m FME-PMP
  - **FS35M** 3.5m FME-PMP
  - **FS40M** 4.0m FME-PMP
  - **FS45M** 4.5m FME-PMP
  - **FS50M** 5.0m FME-PMP
  - **FS55M** 5.5m FME-PMP
  - **FS60M** 6.0m FME-PMP

- **FS Series Car Coaxial Cable**

- In the age of highly-evolved car cable, "detergibility" is what is being sought after. Introducing the FS Series, now on sale from Comet. These cables will allow you to flexibly combine the specialized cable on the antenna side with the coaxial cable on the radio side in the length that you require.
### Cable Set for Fixed Stations

**Detachable Connector (single-side only)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Compatibility</th>
<th>Length Variations</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD2V</td>
<td>HF-600MHz</td>
<td>10m-15m-20m-25m-30m</td>
<td>MP-JMP</td>
</tr>
<tr>
<td>SDFB</td>
<td>HF-600MHz</td>
<td>10m-15m-20m-25m-30m</td>
<td>MP-JMP</td>
</tr>
</tbody>
</table>

### Cable Set for Mobile Antenna Bases

#### Coaxial Cables

<table>
<thead>
<tr>
<th>2D-JFB-S</th>
<th>Model</th>
<th>Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2DL1S</td>
<td>1m</td>
<td>MLJ-SMAR</td>
<td></td>
</tr>
<tr>
<td>2DL15S</td>
<td>1.5m</td>
<td>MLJ-SMAR</td>
<td></td>
</tr>
<tr>
<td>2DL2S</td>
<td>2m</td>
<td>MLJ-SMAR</td>
<td></td>
</tr>
<tr>
<td>2DL3</td>
<td>3m</td>
<td>MLJ-SMAR</td>
<td></td>
</tr>
<tr>
<td>2DL4S</td>
<td>4m</td>
<td>MLJ-SMAR</td>
<td></td>
</tr>
<tr>
<td>2DL5S</td>
<td>5m</td>
<td>MLJ-SMAR</td>
<td></td>
</tr>
<tr>
<td>2DL1S5M</td>
<td>1.5m</td>
<td>MLJ-JMP</td>
<td></td>
</tr>
<tr>
<td>2DL2M</td>
<td>2m</td>
<td>MLJ-JMP</td>
<td></td>
</tr>
<tr>
<td>2DL3M</td>
<td>3m</td>
<td>MLJ-JMP</td>
<td></td>
</tr>
<tr>
<td>2DL4M</td>
<td>4m</td>
<td>MLJ-JMP</td>
<td></td>
</tr>
<tr>
<td>2DL5M</td>
<td>5m</td>
<td>MLJ-JMP</td>
<td></td>
</tr>
<tr>
<td>2DL7M</td>
<td>7m</td>
<td>MLJ-JMP</td>
<td></td>
</tr>
</tbody>
</table>

#### 3.5GDFV

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D4MB</td>
<td>4m</td>
<td>MLJ-JMP</td>
</tr>
<tr>
<td>3D5MB</td>
<td>5m</td>
<td>MLJ-JMP</td>
</tr>
<tr>
<td>3D6MB</td>
<td>6m</td>
<td>MLJ-JMP</td>
</tr>
</tbody>
</table>

---

### Conversion Cable

Used to connect to handheld transceivers.

<table>
<thead>
<tr>
<th>BNC-PJU</th>
<th>HM-05</th>
<th>1.0DGFV</th>
<th>0.5m</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMA-LJU</td>
<td>HS-05</td>
<td>1.0DGFV</td>
<td>0.5m</td>
</tr>
<tr>
<td>SMA-LJU</td>
<td>HS-10</td>
<td>1.6DGFV</td>
<td>1.0m</td>
</tr>
<tr>
<td>SMA-LJU</td>
<td>HS-60</td>
<td>1.6DGFV</td>
<td>0.5m</td>
</tr>
<tr>
<td>SMA-LJU</td>
<td>HS-20S</td>
<td>R0174U</td>
<td>2.0m</td>
</tr>
</tbody>
</table>

---

### Magnetic Base Bracket Antenna Set

- **M24-LS2 (M24S2)**
- **M24-LS3 (M24S3)**
- **M24-LS4 (M24S4)**

- **Flexible Installation Mobile Mounting Bracket Series**

---

### Connection Cables

**Pipe Mount Brackets**

- **R-30**
- **R-205**
- **R-215**

**Roofside Mount Brackets**

- **R-500**
- **R-510**
Upgraded Duplexer (Also supports wideband reception)

Various uses are possible by combining Comet’s 2-wave or 3-wave duplexer with an antenna. In addition, Comet’s Duplexers suppress the mutual interference, not only between each band, but on all bands, by adapting an increased isolation through the high-shielding effect provided by the twin cavity and reducing the coupling loop interference between each separated terminal to the extent at which it may be ignored. It’s also effective as a countermeasure against radio jamming, such as TVI through its internal filter circuit.

<table>
<thead>
<tr>
<th>DUPLExer</th>
<th>Frequency</th>
<th>50/144MHz</th>
<th>28/50MHz</th>
<th>430/1200MHz</th>
<th>144/430MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF-530</td>
<td>CF-706</td>
<td>CF-360</td>
<td>CF-413</td>
<td>CF-416</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connector</th>
<th>SWR</th>
<th>Isolate</th>
<th>Max Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Type</td>
<td>1.2</td>
<td>1.2 dB</td>
<td>0.36 dB</td>
</tr>
<tr>
<td>A Type</td>
<td>1.2</td>
<td>1.2 dB</td>
<td>0.36 dB</td>
</tr>
<tr>
<td>B Type</td>
<td>1.2</td>
<td>1.2 dB</td>
<td>0.36 dB</td>
</tr>
<tr>
<td>A Type</td>
<td>1.2</td>
<td>1.2 dB</td>
<td>0.36 dB</td>
</tr>
</tbody>
</table>

High Performance Coaxial Switch

- **CSW-201G Gold-plated M Type Connector**
  - Frequency Range: DC-600MHz
  - Insertion Loss: 0.12 dB
  - Max Input Power: 1500W (PEP) / 300W (RMS)
  - 150W (PEP) / 300W (RMS)
  - No of Switching Circuits: 2 Junctions per Circuit
  - Matched: 50Ω (See Specifications)
  - SWR: Below 1.2
  - Connector: M
  - Dimensions: 12 x 7.8 x 4.7 mm
  - Weight: 43 g

- **CSW-201GN Gold-plated N Type Connector**
  - Frequency Range: DC-1,800MHz
  - Insertion Loss: 0.2 dB
  - Max Input Power: 1500W (PEP) / 300W (RMS)
  - 150W (PEP) / 300W (RMS)
  - No of Switching Circuits: 2 Junctions per Circuit
  - Matched: 50Ω (See Specifications)
  - SWR: Below 1.2
  - Connector: N
  - Dimensions: 12 x 7.8 x 4.7 mm
  - Weight: 43 g

Dualplexer/Tridplexer [Build To Order] Table

<table>
<thead>
<tr>
<th>TRIDPLExer</th>
<th>DUPLExer</th>
<th>Frequency</th>
<th>144/430MHz</th>
<th>28/50MHz</th>
<th>430/1200MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF431</td>
<td>CF413</td>
<td>CF360</td>
<td>CF4130</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connector</th>
<th>SWR</th>
<th>Isolate</th>
</tr>
</thead>
<tbody>
<tr>
<td>E Type</td>
<td>1.2</td>
<td>1.2 dB</td>
</tr>
<tr>
<td>E Type</td>
<td>1.2</td>
<td>1.2 dB</td>
</tr>
<tr>
<td>E Type</td>
<td>1.2</td>
<td>1.2 dB</td>
</tr>
<tr>
<td>E Type</td>
<td>1.2</td>
<td>1.2 dB</td>
</tr>
</tbody>
</table>

| Frequency Insertion Loss | 1.2—150MHz 0.2 dB | 1.2—150MHz 0.2 dB | 1.2—150MHz 0.2 dB |

| SWR | Below 1.2 for each band width shown above |

Compact Mobile Speaker for Communication

- **CB-980**
  - Size: 110W (8Ω) x 95.5 cm
  - Weight: 2.7 kg
  - Max Power: 90W
  - Impedance: 8Ω

The specifications shown in the above table are limited to the amateur radio band.
ACCESSORIES

ACCESSORIES

Low-pass Filters

**CF-30MR**
- Passband: 1.2-30MHz
- Insertion Loss: Within 0.4dB
- Attenuation: Above 80dB at 42-200MHz
- Built-in output Impedance: 50Ω
- VSWR: Below 1.2
- Max. Power: 500W CW 110W PEP
- Input/Output Connectors: M Type
- Weight: 850g
- External Dimensions: W790×D69×H44mm

**CF-50MR**
- Passband: 1.2-54MHz
- Insertion Loss: Within 0.4dB
- Attenuation: Above 80dB at 72MHz-250MHz
- Built-in output Impedance: 50Ω
- VSWR: Below 1.2
- Max. Power: 500W CW 110W PEP
- Input/Output Connectors: M Type
- Weight: 850g
- External Dimensions: W790×D69×H44mm

---

**Antenna Analyzer**

**CAA-500MarkII**

**Standing Wave Analyzer 1.8-500MHz**

- Frequency Range: 1.8-500 MHz
- Measured SWR Range: Analog 1.0-9.9 LC 1.0-9.9
- Impedance Range: 12.5-300 Ohms
- Resistance Range: 10-500 Ohms
- Resistance Range: 0-500 Ohms
- RF Connectors: VHF: 50Ω BNC type UHF: N type
- Power Source: 6 x AA (Alkaline) or Ni-MH Cells
- Dimensions: 86×70×196 mm
- Weight: Approx. 800g

**Features**
- Connect an antenna to the upper RF terminal
- Select the Target Frequency via the Frequency Range
- Easier than adjusting to the desired frequency using the Frequency Fine Tuning Dial
- Can be used with 6 x AA size batteries

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**Antenna Analyzer**

**CAA-5SC**

**Fabric soft case for CAA-500 series and CAA-270 for protection from shock.**

- Dimensions: (W)85mm×(H)200mm×(D)75mm
- Fabric belt attached to be hung from the shoulder

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*A measuring connector is attached to the device shown in the above photo.*
Comet Income Series

Comet Income Series: Wide range in variation to satisfy numerous situations, such as amateur radios, motorbike radios, etc. Suitable for leisure/business use.

Plug Shapes and their Corresponding Manufacturers

Comet Income Series Plug Shapes vary based on the equipment manufacturer. Please check at the time of purchase.

- Y Type — For YAESU Type 4P no screws
- YL Type — STANDARD VX-6 VX-7 4P with screws
- K Type — For KENWOOD
- KP Type — For ICOM/M/AINDO
- 8P Type — For ICOM
- 1 Type — For ICOM

CEM100F-K-Y-YS-1

- Microphone
  - Type: Cardioid
  - Directional Characteristics: Omni-directional
  - Frequency Characteristic: 20Hz ~ 20kHz
  - Sensitivity: 45mV (150Ω)
- Earphone
  - Type: Dynamic
  - Impedance: 32Ω
  - Frequency Characteristic: 45Hz ~ 20kHz
  - Maximum Output: 50mW

CEM450F-K-Y-YL

- Microphone
  - Type: Cardioid
  - Directional Characteristics: Omni-directional
  - Frequency Characteristic: 20Hz ~ 20kHz
  - Sensitivity: 45mV (150Ω)
- Earphone
  - Type: Dynamic
  - Impedance: 32Ω
  - Frequency Characteristic: 45Hz ~ 20kHz
  - Maximum Output: 50mW

CEM-150F-K-Y-YL

- Earphone & Microphone
  - Canal Type
  - Microphone
    - Type: Cardioid
    - Directional Characteristics: Omni-directional
    - Frequency Characteristic: 20Hz ~ 20kHz
    - Sensitivity: 45mV (150Ω)
  - Earphone
    - Type: Dynamic
    - Impedance: 32Ω
    - Frequency Characteristic: 45Hz ~ 20kHz
    - Maximum Output: 50mW

CEM200F-K-Y-YL-I

- Ear Loop
  - 20 Loop shape Type (Hard to deaf type)
  - PTT Switch: Unlocked Type
  - Microphone
    - Type: Cardioid
    - Directional Characteristics: Omni-directional
    - Frequency Characteristic: 20Hz ~ 20kHz
    - Sensitivity: 45mV (150Ω)
  - Earphone
    - Type: Dynamic
    - Impedance: 32Ω
    - Frequency Characteristic: 45Hz ~ 7500Hz
    - Maximum Output: 50mW

CTM480F-K-Y-YL

- Perfect for Survival Games
- Including motoring and Paragliding
- Improved Clarity.
- Designed to fit the shape of the ear so the microphone is attached.
- SPF
  - Type: Cardioid
  - Directional Characteristics: Non-directional
  - Frequency Characteristic: 20Hz ~ 15kHz
  - Sensitivity: 45mV (150Ω)
- UL
  - Type: Cardioid
  - Directional Characteristics: Omni-directional
  - Frequency Characteristic: 20Hz ~ 20kHz
  - Sensitivity: 45mV (150Ω)
- PTT: Single Lock Type
  - 2P for external PTT (for 2.5 plug included)

CNM300F-K-Y-YL

- Headset
  - Neck Type (Hood, hard-clip, neck section)
  - PTT Switch: Single Lock Type
  - Microphone
    - Type: Cardioid
    - Directional Characteristics: Omni-directional
    - Frequency Characteristic: 20Hz ~ 20kHz
    - Sensitivity: 45mV (150Ω)
  - Earphone
    - Type: Dynamic
    - Impedance: 32Ω
    - Frequency Characteristic: 45Hz ~ 20kHz
    - Maximum Output: 50mW
**CEM-EX1F·K·Y·YL**
Connector and Microphone with the freedom to choose your own Earphone

- **Microphone**
  - Type: Directional Cardioid
  - Directional Characteristic: Omni-Directional
  - Frequency Characteristic: 200Hz to 8000Hz
  - Sensitivity: 103dB
  - PTT: Male Lock

- **External Earphone**
  - Terminal: 3.5mm

**PSF (External PTT Switch)**
External PTT Switch
- Type: Directional Cardioid
- Frequency Characteristic: Omni-Directional
- Sensitivity: 103dB
- PTT: Male Lock

**PS8 (External PTT Switch)**
External PTT Switch
- Type: Directional Cardioid
- Frequency Characteristic: Omni-Directional
- Sensitivity: 103dB
- PTT: Male Lock

**Microphone**

**HM-S9F·K·Y·YL·I Speaker Microphone**
Despite its compact size, emphasizes on audio quality. More compact in comparison with our past products!

- **Type**: Dynamic
- **Impedance**: 4Q
- **Maximum Output**: 300mW
- **Sensitivity**: 68dB

**HM-M40 Pin Type Microphone**

- **Type**: Electret Condenser
- **Directional Characteristic**: Omni-Directional
- **Impedance**: 4Q
- **Sensitivity**: 88dB

**DPR Series (for ICOM 9-pin Jack Units ONLY)**

**HM-S9DPR Speaker Microphone**

- **Type**: Dynamic
- **Impedance**: 4Q
- **Maximum Output**: 500mW
- **Sensitivity**: 88dB

**CEM100DPR Earphone & Microphone**

- **Type**: Dynamic
- **Impedance**: 4Q
- **Maximum Output**: 300mW
- **Sensitivity**: 85dB

**Earphones**

**CEP500F·K PAT.P**
Stay actively engaged as it will not cover your ears when attached!
- Softened audio quality through the adoption of the Acoustic Tube.
- No discomfort even after extended use!

**H250F·K PAT.P**
Can be used in either ear, left or right, as the cord section will rotate 360 degrees! Flexible deformable hook section.
- Adjustable to the shape/size of your ear.

**H-200F·K**
H-200F (50cm) K (50cm)

- **Type**: Dynamic
- **Frequency Characteristic**: 750~8800Hz
- **Maximum Output**: 30mW
- **Sensitivity**: 115dB

**H25F·K·F (50cm) Ear Hook Type Earphone**

- **Type**: Dynamic
- **Frequency Characteristic**: 450Hz to 2000Hz
- **Maximum Output**: 10mW
- **Sensitivity**: 115dB

**CEP400F·K**
Acoustic Tube Earphone Type
- (No discomfort even after extended use)
- **Type**: Dynamic
- **Impedance**: 110Q
- **Maximum Output**: 30mW