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## 01 Professional Wideband True Diversity System



UF-20 Series

Deploying JTS advanced wireless technology together with the most sophisticated components can be found in the industry the UF-Series provides revolutionary features.

The JTS wideband auto frequency tracking technology provides up to 75 MHz bandwidth with 3000 selectable frequencies. Preset 15 groups each of up to 63 interference-free compatible channels per band while 6 groups each of 64 user-programmable channels are also available.

There true diversity system assures operation distance from 200 to 480 meters depending on your local regulation.

JTS LCX circuit design technology together with SAM-8LN capsule minimize companding noise and make UF-20 ideal for large venue.

The world's first JTS patterned "REMASET" function allows automatic remote control frequency settings of the transmitter from the receiver.



# Professional Wideband True Diversity System



## Multiple Alert Functions

- \* RF "NO SIGNAL" alert function.
- \* AF "MUTE" alert function.
- \* Transmitter "LOW BATTERY" alert function.



## 2nd Generation REMOSET

The REMOSET now sends not only the frequency data but also transmitter's RF power, sensitivity, low cut / key lock and user's name.



## Power/Antenna Cascading Output Provided

Both power and antenna output can be cascaded for easier installation. (at least 10 unit can be cascaded)



## Interchangeable Capsule Module

JTS newest development SAM-8WLN capsule assures outstanding acoustic performance while minimizes touching noise. Interchangeable capsule design for various choices including some classic capsule modules.



MA-935

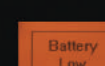
## Low Cut Function

Prevent from low frequency pop noise and wind noise.



## Low Battery Alert

Remind the user to change the battery when the battery level gets too low.



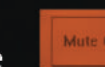
## Sliding Cover Design

To prevent the user from touching the setting key unintentionally.



## Mute Alert

Remind the user that microphone is in mute mode.



## Rechargeable

It is designed with slot-in charging with two rechargeable batteries.





# UF-20R


## Professional Wideband True Diversity System




UF-20R

### UF-20R

#### Dual Channel Wideband True Diversity Receiver

- \* UHF True diversity technology renders 200-480 meters of operation distance
- \* Maximum 2400 to 3000 selectable frequencies across 60 to 75 MHz
- \* Preset 15 groups each of up to 63 compatible channels
- \* User programmable 6 groups each of 64 channels
- \* Free space scan function
- \* JTS Patented obstacle-free RF  function synchronizes a transmitter by pushing a button
- \* JTS LCX circuit design technology minimizes Companding noise

#### NEWEST FEATURE:

- \* The  is now not only sends the frequency data but also transmitter's RF power, sensitivity, low cut, key lock and user's name.
- \* RF "NO SIGNAL" alert function.
- \* AF "MUTE" alert function.
- \* Transmitter "LOW BATTERY" alert function.
- \* Built in equalizer
- \* Power / Antenna cascading output provided.

**Frequency Preparation:** PLL Synthesized Control  
**Frequency Setting:** JTS patented obstacles-free RF REMOSET  
**Carrier Frequency Range:** UHF 470~960MHz  
**Channel:** Dual  
**Bandwidth:** 60~75MHz Wideband  
**S/N Ratio:** >108dB(A)  
**T.H.D.:** <0.5%@1KHz  
**Chassis:** 1U standard metal chassis  
**Preset Channels / Group:**  
 \*From group 1 ~ 15 up to 63 interference-free compatible channels.  
 \*844 preset channels/group and 3000 selectable frequencies across 60 to 75 Hz Bandwidth.  
 \*User programmable from U1 ~ U6 each of 64 channels reserved.  
**Display:** LCD  
**Display Contents:** Group, Channel, Frequency, Antenna A/B ,RF/AF Level Meter, Mute Display, Transmitter Battery Status, REMOSET ID Number, User Name, Squelch  
**Sensitivity:** 6dBµV, at S/N>80dB  
**Receiving Mode:** True diversity  
**Audio Output Level:** Maximum 6dBu  
**AF Output Impedance:** 600Ω  
**Frequency Response:** 50Hz~18kHz, with high-pass filter  
**Squelch:** Pilot Tone & Noise Mute  
**Power Supply:** 100~240V or 12V DC  
**Output Connector:** 2 XLR Balanced Socket / 2 Ø6.3mm Balanced phone jack  
**Dimension(mm):** 485mm(W)x45mm(H)x260mm(D)  
**Notes:** Actual product specifications may vary depending on model and region.



JSS-20

### JSS-20

#### Professional Wideband Handheld Transmitter

- \* 2400 to 3000 selectable frequencies
- \* Preset 15 groups each of up to 63 compatible channels
- \* Phase-Locked Loop (PLL) synthesized tune
- \* Adjustable transmission power between Low and High

#### NEWEST FEATURE:

- \* Low cut function.
- \* JTS newest development SAM-8WLN capsule assures outstanding acoustic performance while minimizes touching noise.
- \* Interchangeable capsule design for various choices including some classic capsule modules.
- \* It is designed with slot-in charging feature with two AA NiMH rechargeable batteries.

**Frequency Preparation:** PLL Synthesized Control  
**Carrier Frequency Range:** UHF 470~960 MHz  
**Bandwidth:** 60~75MHz Wideband  
**RF Outputs:** Low / High  
**Stability:** <±10KHz  
**Frequency Deviation:** ±48KHz (Peak)  
**LCD Display:** Group, Channel, Frequency, Battery Status, User Name, GAIN Adjust  
**Controls:** Power ON/OFF, AF Level, Frequency (Up/Down), Lock-on Mode, REMOSET ID Pairing, RF Output Adjust  
**Spurious Emissions:** <-50 dBC  
**Audio Frequency Response:** 50Hz~18k Hz  
**Capsule Module:** Interchangeable  
**Battery:** AA NiMH x2  
**Dimensions:** 50mm(W)x253mm(H)x35.5mm(D)  
**Weight:** 350g  
**Notes:** Actual product specifications may vary depending on model and region.



UF-20TB

### UF-20TB

#### Professional Wideband Body-pack Transmitter

- \* 2400 to 3000 selectable frequencies
- \* Preset 15 groups each of up to 63 compatible channels
- \* Phase-Locked Loop (PLL) synthesized tune
- \* Extended dynamic range and smooth frequency response.
- \* Adjustable transmission power between Low and High
- \* The panel Lock-On function prevents tampering and RF interruption
- \* Together with JTS various music instrument mics, headset mics and tie clip mics this bodypack is versatile for all applications.

#### NEWEST FEATURE:

- \* It is designed with slot-in charging feature with two AA NiMH rechargeable batteries.

**Frequency Preparation:** PLL Synthesized Control  
**Carrier Frequency Range:** UHF 470~960 MHz  
**Bandwidth:** 60~75MHz Wideband  
**RF Outputs:** Low / High  
**Stability:** <±10KHz  
**Frequency Deviation:** ±48KHz (Peak)  
**Chassis:** Aluminium alloy  
**LCD Display:** Group, Channel, Frequency, Battery Status, User Name , GAIN Adjust  
**Controls:** Power ON/OFF, AF Level, Frequency (Up/Down), Lock-on Mode, REMOSET ID Pairing, RF Output Adjust  
**Output Connector:** 4P Mini XLR  
**Spurious Emissions:** <-50 dBC  
**Audio Frequency Response:** 50Hz~18k Hz  
**Battery:** AA NiMH x2  
**Dimensions:** 62mm(W)x80.3mm(H)x22.6mm(D)  
**Weight:** 93g  
**Notes:** Actual product specifications may vary depending on model and region.

# UF-20S

## Professional Wideband True Diversity System



UF-20S

### UF-20S

Single Channel Wideband True Diversity Receiver

- \* UHF True diversity technology renders 200-480 meters of operation distance
- \* Maximum 2400 to 3000 selectable frequencies across 60 to 75 MHz
- \* Preset 15 groups each of up to 63 compatible channels
- \* User programmable 6 groups each of 64 channels
- \* Free space scan function
- \* JTS Patented obstacle-free RF function synchronizes a transmitter by pushing a button
- \* JTS LCX circuit design technology minimizes Companding noise

#### NEWEST FEATURE:

- \* The is now not only sends the frequency data but also transmitter's RF power, sensitivity, low cut, key lock and user's name.
- \* RF "NO SIGNAL" alert function.
- \* AF "MUTE" alert function.
- \* Transmitter "LOW BATTERY" alert function.
- \* Built in equalizer

**Frequency Preparation:** PLL Synthesized Control  
**Frequency Setting:** JTS patented obstacles-free RF REMOSET

**Carrier Frequency Range:** UHF 470~960MHz  
**Channel:** Single  
**Bandwidth:** 60~75MHz Wideband  
**S/N Ratio:** >108dB(A)  
**T.H.D.:** <0.5%@1KHz  
**Chassis:** 1/2U standard metal chassis  
**Preset Channels / Group:**

- \*From group 1 ~ 15 up to 63 interference-free compatible channels.
- \*844 preset channels/group and 3000 selectable frequencies across 60 to 75 Hz Bandwidth.
- \*User programmable from U1 ~ U6 each of 64 channels reserved.

**Display:** LCD

**Display Contents:** Group, Channel, Frequency, Antenna A/B, RF/AF Level Meter, Mute Display, Transmitter Battery Status, REMOSET ID Number, User Name, Squelch

**Sensitivity:** 6dB $\mu$ V, at S/N>80dB

**Receiving Mode:** True diversity

**Audio Output Level:** Maximum 6dBu

**AF Output Impedance:** 600 $\Omega$

**Frequency Response:** 50Hz~18kHz, with high-pass filter

**Squelch:** Pilot Tone & Noise Mute

**Power Supply:** 100~240V or 12V DC

**Output Connector:** 1 XLR Balanced Socket / 1  $\varnothing$ 6.3mm Balanced phone jack

**Dimension(mm):** 212mm(W)x44mm(H)x 213.9mm(D)

**Notes:** Actual product specifications may vary depending on model and region.



JSS-20

### JSS-20

Professional Wideband Handheld Transmitter



CH-2

### CH-2

CHARGER For JSS-20 & UF-20TB

**Input:** AC 100~240V, 0.4A max  
**Output:** DC 12V, 1A

**LED Indicator**  
**Full Charged / Standby:** Green  
**Charging:** Flash Green  
**Fault:** Flash Red

**Charging Time:** 3 hours



UF-20TB

### UF-20TB

Professional Wideband Body-pack Transmitter



CH-8

### CH-8

CHARGER For JSS-20 & UF-20TB

**Input:** AC 100~240V, 1.2A max  
**Output:** DC 15V, 3A

**LED Indicator**  
**Full Charged / Standby:** Green  
**Charging:** Flash Green  
**Fault:** Flash Red

**Charging Time:** 3 hours