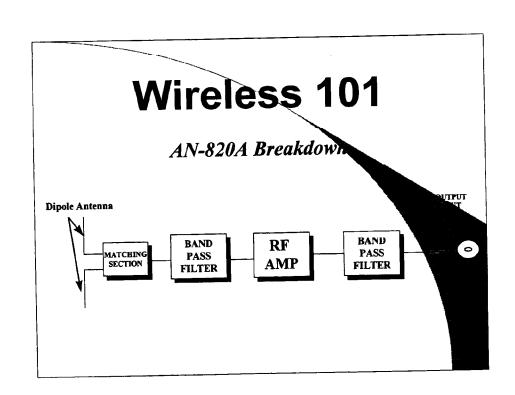
How to Sell Sony Wireless $FOCUS_{C}ON$

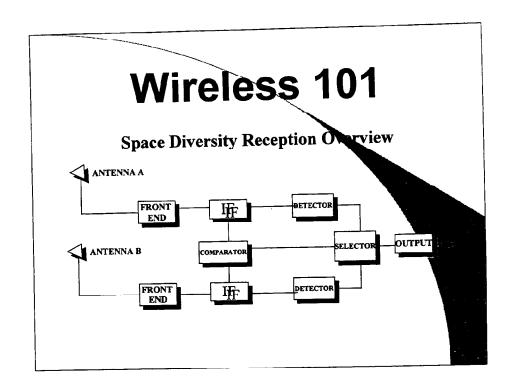
Wireless 101

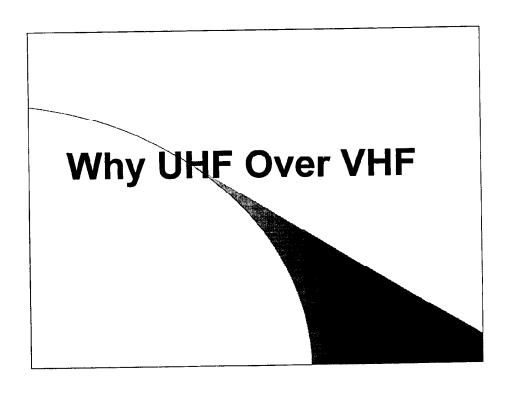
- ♦ Definition of "FM" or Frequency Modulation
 - ♦ A transmitter takes in the audio signal from the crophone (source) and converts it into a radio signal.
 - ◆ The transmitter then transmits a basic radio signal that is shifted up and down in frequency (modulated) audio coming in from the microphone
 - ◆ The maximum amount of allowed frequency shift design into the transmitter is called the "Peak Deviation"

Wireless 101

- "Selectivity" The ability of a receiver to reject unwanted signals or noise present on nearby channels
- When 2 or more signals are present a phenoment with the "intermodulation" occurs. This is when each of signal's harmonics combine with each other to creat additional signal.
- Compander- transparent compression expander circuit allowing for a larger dynamic range







UHF vs VHF

- ♦ VHF Has a Larger Radio Signal Wave Length: Average Length Is Around 2 Meters Vs Less Than 1 Seter for UHF
 - ♦ A larger wave length requires more power to transmit
 - Requires larger antennas for proper RF operation
 - Because of smaller wavelengths UHF loses very little energy wavelengths through small areas.
 - Because of their size VHF waves can more easily bend around objecting might otherwise block UHF waves
- ◆ VHF Frequency Range Is 50MHz (165-216MHz) Compared to 500MHz in UHF (450-952MHz)
 - fewer multiple channel operation

UHF vs VHF

- ♦ Very Active Bandwidth
 - ♦ more activity in VHF than in UHF in a bandwidth 1/10 e size
 - most of local TV broadcasting (chi. 7-13) is in the VHF ra.
- VHF Is More Susceptible to "Man-Made" No.
 - Walkie Talkies, CBs, computers security radios etc...
 - UHF is Significantly less susceptible to interference from machine.
- VHF Equipment Is Less Expensive to Manufacture
 - UHF product requires more sophisticated design with more stringent tolerance

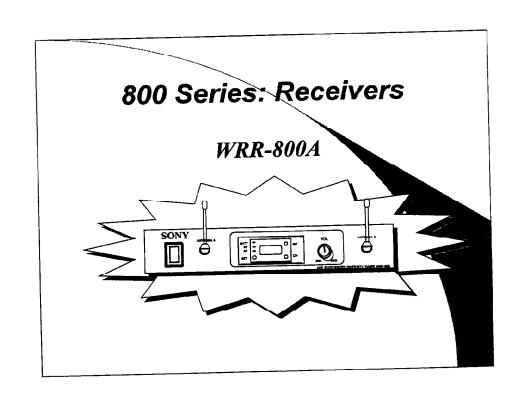
Why Sony UHF

- ◆ Receiver Units Have Very Good Sp. sious RF Rejection
 - ◆ Translates to **DEPENDABLE IN THE FIEL**
- ♦ Very Flexible and User Friendly Channel Selection
 - ♦ Translates to **DEPENDABLE IN THE FIELD**
- ♦ Very Efficient RF Circuitry With Powered Antennas
 - ♦ Translates to **DEPENDABLE IN THE FIELD**

SONY WRR-801A / 800A WRT-805A / 800A WRU-801A UHE-WIRELESS

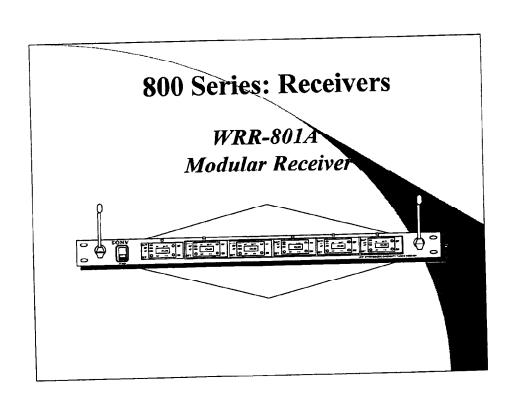
800 Series Wireless: Features

- ♦ New Low Cost! (Approx. \$1,100 Sug. List)
- ♦ Retains "High-End" Series Perform ace
- ♦ "Space Diversity" Reception
- ♦ 94 Selectable Synthesized UHF Frequence
- ◆ Up to 11 Simultaneous Channels
- ♦ Compatible With Existing 800 Series (Ch 68)



WRR-800A Single Channel Receiver

- ♦ Compact Half-Rack Design
- ♦ Space Diversity Receiver
- ♦ UHF Channel/Group Select Conti
- ◆ Back-Lit LCD With Battery, RF, AF and Channel Status Displayed.
- ♦ Front Panel Level Control
- ♦ Balanced TRS Output



WRR-801A Modular Receiver

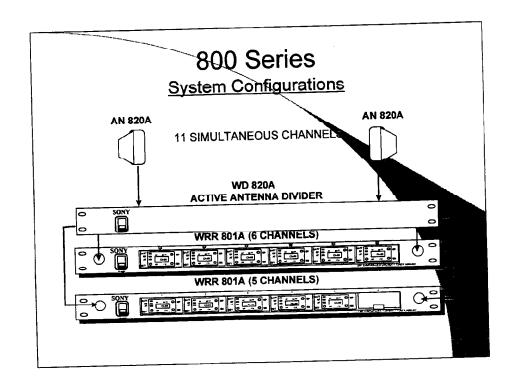
- ♦ Up to 6 channel modules (WRU-801A) in one rack space!
- ♦ Auto channel select: automatically detectusable channels.
- ♦ LCD display of battery, RF and AF output, go channel #'s.

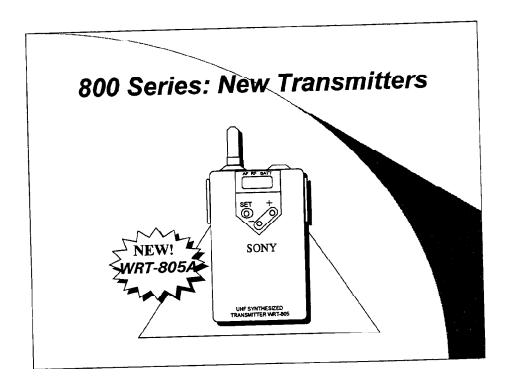
WRR-801A Modular Receiver

- ♦ 9V DC powered antenna jacks (for AN820A-active antennas), plus 10dB attenuate.
- ♦ Front or rear mountable antenna connecte
- ◆ TRS balanced, individual and mix outputs (w/selectable level).

WRR-801A: Options

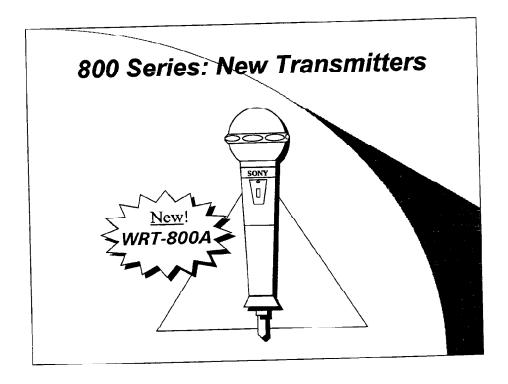
- ♦ AN-820A: Active antennas. DC powerable. Stand or wall mountable.
- ♦ WD-820A: Active antenna divider. Allowater operation of several systems from one pair antennas (1/4 wave or AN -820A)
- ♦ WRU-801A: Individual channel plug-in module. Up to 5 additional WRU-801A's can be installed.





WRT-805A Bodypack

- ♦ Light-Weight Body Pack Design
- ♦ LCD Display of All Functions
- ♦ Transmits Battery Alarm
- ♦ Channel/Group Select Controls
- ♦ Accepts Several Mic Options*
- ♦ 6 Hour Battery Life W/ Single "AA" Battery.
- ♦ DC-to-DC Converter for More Consistent Batte Life.
- ♦ Tone-Key Squelch (32 kHz)



WRT-800A Handheld Transmitter

- ♦ Light Weight, High-Performance, Cardioid Condenser Mic.
- ♦ 12 Hour Battery Life With a Single "Rattery." Battery.
- ♦ Anti-Slip, Anti-Roll Design
- ◆ Accessible Silent on/off Switch W/Indicato
- ♦ Channel/Group Selectable
- ♦ Transmits Battery Alarm
- ♦ DC-to-DC Converter
- ♦ Tone Key Squelch

Wireless Packs

- ◆ Guitar Pack (w/GC0.7MP caste)
- ◆ Lavalier Pack with ECM-122BMN condenser lav mic
- ♦ Handheld system (w/ WRT-800A condenser mic)

Positioning

- ♦ Well Suited for Contracting and PA Rentals
- ♦ Supplements Existing 800 Series
- ♦ Reliable UHF Performance at Low Co.
- ◆ The Only 1 Space Modular System Currently Available

Effective Application Configurations

- **♦ Worship Centers**
 - **♦** Transmitters
 - **♦** Receivers

Effective Application Configurations

- ♦ Sound Reinforcement
 - **♦** Transmitters
 - **♦** Receivers

Effective Application Configurations

- **♦** Corporate
 - **♦** Transmitters
 - **♦** Receivers

Effective Application Configurations

- **♦**Broadcasting
 - **♦** Transmitters
 - ♦ Receivers