

## Turnkey

# Solar FM Transmission System

Deliver your FM Program to isolated communities with our **standalone** solar retransmission solution.



### POWERFUL PERFORMANCE

- Up to 10 km / 6.2 miles coverage
- Versatile audio sources
- Hybrid Solar/AC power



### POWERFUL CONTROL

- Smart energy management
- Control via wireless audio transmitter



### POWERFUL SAVINGS

- Renewable energy
- Easy to install
- Zero operational cost



## Key features



### HYBRID ENERGY SOURCES

Using direct current to power the system,  
Solar power, DC power



### VERSATILE AUDIO RECEPTION

Receive wireless audio signals,  
FM or analog & digital audio inputs



### OUTDOOR OPERATION

Rest assured your SOLAR FM is protected  
against water and environmental damage



### TURNKEY SOLUTION

Tailor your own SOLAR FM system  
or ask WorldCast Systems to provide you  
with a customized solution ideally suited  
to your requirements.



### MULTIPLE APPLICATIONS

Operate the transmitter as a gap-filler, an FM  
retransmitter, a standalone transmitter or as  
a system for emergency communications



### CENTRALIZED MOBILE APPLICATION

Through dedicated local wireless control devices  
Transferring audio program sources

## Discover the new autonomous FM transmitter

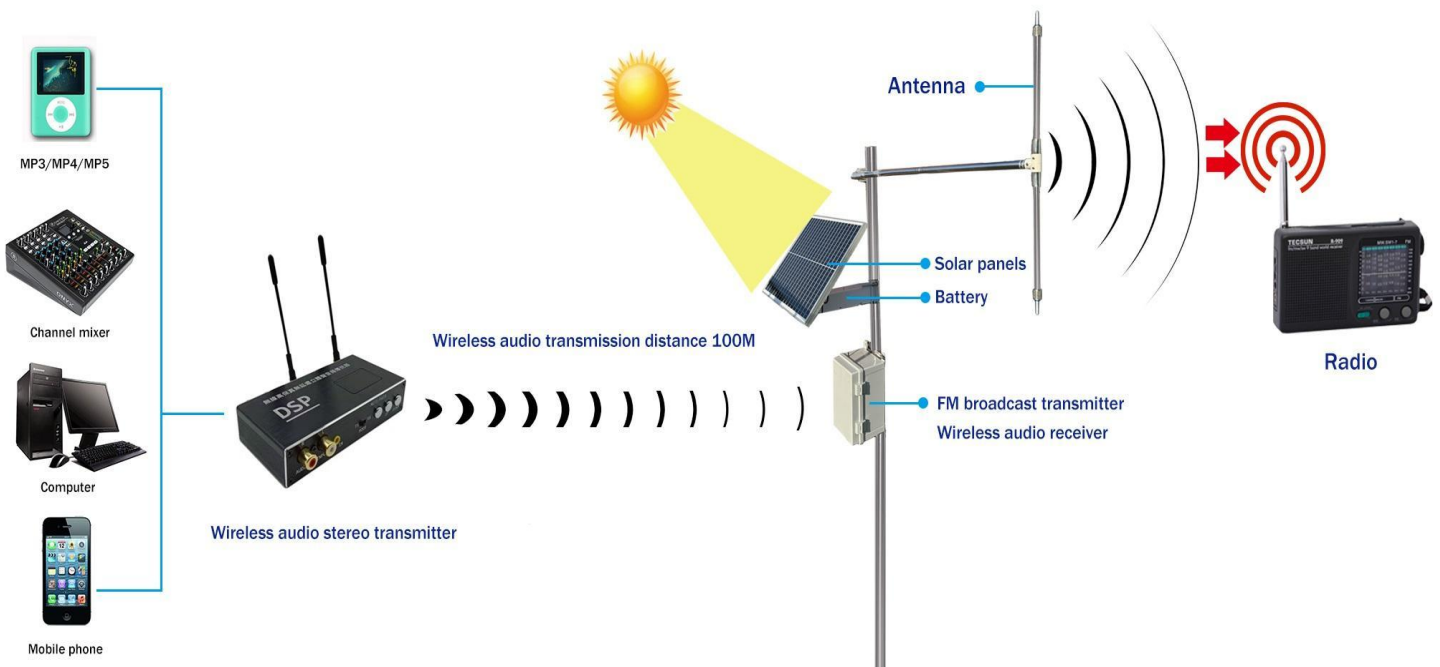
**The SOLAR FM is a unique FM transmission solution designed to operate in isolated areas with limited electrical infrastructure, covering up to 6-10 km areas.**

Designed to operate in harsh environmental conditions, the SOLAR FM can be easily deployed in mountainous areas, forests and deserts. Once securely fastened to a mast, the user simply needs to connect the energy input and audio sources and they are ready to broadcast!

# Applications

## SELECT PREFERRED AUDIO INPUT

Based on the highly-respected YXHT-168YY -25W range of FM transmitters, the SOLAR FM provides standard Analog and Digital audio inputs as well as retansmission signals input.



## RUN YOUR SOLAR FM AS...

STANDALONE TRANSMITTER

EMERGENCY COMMUNICATION RADIO

FM RETRANSMITTER

MOBILE FM TRANSMITTER

GAP FILLER

# Technical Specification

## Technical specification

FM TRANSMITTER
Frequency range : 87.5 - 108MHz
Power range : 2 - 25W
Configurable pre-emphasis : 0 - 50 - 75 $\mu$ s
Mono or Stereo mode
Provided with Cable and N connector
SATELLITE RECEIVER
Receive tuner frequency : 650-710 MHz

FM RECEIVER
Frequency range : 87.5 - 108MHz
N Connector
PHYSICAL SPECIFICATION
Temperature: -20 - 60°C
Humidity : 5 - 95% non-condensing relative humidity

## Order information

### Parts list



1、Solar panels + batteries X1



2、Antenna X1



3、Wireless audio stereo transmitter X1



4、Cable line X1



5、FM broadcast transmitter + audio receiver X1



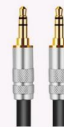
6、Fixture X3



7、3.5mm turn dual Lotus audio cable X2



8、Audio cable X1



9、Cell phone. Stereo cable X1

### Head Office

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