

## FU-05B 0.5W FM Transmitter

<b>Model :</b>	FU-05B
<b>Product Name :</b>	FU-05B 0.5W FM transmitter
<b>Description</b>	Low Power FM transmitter, classic model, home audio broadcasting, widely used for church, campus, driving school, tourism.

### Features:

I FMUSER FM transmitter is a professional grade low power FM transmitter operating in the commercial FM band (76 – 108MHz).

I It is intended for indoor (churches, theaters, cinemas, auditoriums, conference halls , Hostels, Commercial Plaza ,Shopping Center, Government Building, Sports Center, Fitness Center ,Conference) or outdoor (business parking lots, tourist attractions, talking signs, Rural radio, Outdoor Advertising ,Outdoor Activities ,Orienteering) short range broadcasting in a variety of applications: hearing assistance, translation, information, sound re-enforcement.

I Its outstanding RF and audio performances, ruggedness, reliability and versatility make FMUSER FM transmitter stand out from conventional hearing assistance systems.

### Technical Specification:

DC input	2.1mm
input voltage	DC12V
operating current	400mA
Frequency Band	76~108MHz
Modulation	WFM
Frequency Step	0.1MHz
Frequency stabilization method	PLL
deviation	±75KHz
RF Output	0.5W
Output Impedance	50
Harmonic radiation	-60db

Frequency Response	50~15000Hz
Distortion	0.20%
Pre-emphasis	50us
Stereo Separation	40db
Input level	-15dbV
Input impedance	50K
SNR	65db
Matching microphone	Electret microphone
Size	113*88*38 mm
Color	silver/black
Weight	0.27 kg
Working temperature	0~55

### FU-05B 0.5W FM Transmitter



## FU-01B 1W FM Transmitter

<b>Model :</b>	FU-01B
<b>Product Name :</b>	FU-01B 1W FM transmitter
<b>Description</b>	Low Power FM transmitter,0~1W power adjustable, software control. Stereo/Mono.MP3 play, Bluetooth connections, rechargeable batteries. 50/75Us Pre-Emphasis

### Features:

- | Wide frequency range: 76~108MHZ
- | User-friendly operation
- | Auto power off when no audio IN
- | RCA and 3.5mm interface for audio line-in
- | 3 modules optional, TF card MP3 function, Bluetooth audio, rechargeable battery.
- | Microphone input volume will be tuned up in priority when there is an input, the main volume will be tuned down automatically.
- | Worldwide band 76~108Mhz for any country, easy to setup and change.
- | RF output power is adjustable from 0~1w by 11 levels. Level 0 means no power is transmitted out.
- | Audio pre-emphasis is adjustable between 50US(EURO) / 75US(USA)
- | Mono and stereo switchable
- | Broadcast distance: 0-1km adjustable(The distance is estimated in open environment and just for reference)
- | Current settings will be memorized, it automatically starts from the previous settings when the transmitter is turned on again.

### Technical Specification:

Model	FU-X01B
Work voltage	DC 12V
Work current	<0.4A ( AtMaximum powermode)
RF Power	0-1W ,11 levels adjustable
Frequency Band	76~108mhz(can be customized)

Modulation	WFM
Frequency Step	100KHz
Frequency stabilization method	PLL
deviation	±75KHz
Harmonic and clutter	<= -60dB
Output Impedance	50
Output Interface	TNC-K, 50 Ohm
Audio input	analog audio 3.5mm in RCA in
MC input	3.5mm in
Audio Input Channel	Line in (3.5mm RCA), TF Card MP3 Blue both
Audio input level	15dBV
Audio distortion	<= 0.2%
Audio frequency response	50HZ~15000HZ
Stereo separation	>= 40dB
Pre-emphasis	50US / 75US switchable
Audio control	electronic volume control, 11 levels adjustable from 0~10, level 10 means no volume output.
MC control	electronic volume control, 11 levels adjustable from 0~10, level 10 means no volume output.
Work temperature	-10~45C
Product dimension	162*120*40MM

### FU-01B 1W FM Transmitter



## FU-7C 7W FM Transmitter

<b>Model :</b>	FU-7C
<b>Product Name :</b>	FU-7C 7W FM transmitter
<b>Description:</b>	Low Power FM transmitter, classic model, home audio broadcasting, widely used for church, campus, driving school, tourism. 1.5W/7W

### Features:

- I FMUSER 7w FM transmitter is a professional grade low power FM transmitter operating in the commercial FM band (76 – 108MHz).
- I It is intended for indoor (churches, theaters, cinemas, auditoriums, conference halls , Hostels, Commercial Plaza ,Shopping Center, Government Building, Sports Center, Fitness Center, Conference) or outdoor (business parking lots, tourist attractions, talking signs, Rural radio, Outdoor Advertising ,Outdoor Activities ,Orienteering) short range broadcasting in a variety of application such as hearing assistance, translation, information, sound re-enforcement etc.
- I Equipment using advanced modulation system and built-in PLL frequency, audio pre-emphasis, limiter, and low-pass filter circuit.
- I The Control circuit board design and amplifier design to reduce noise, so sound quality is even better.
- I Well-shielded, compact structure, small size, generous appearance, plug and play, very easy to use.

### Technical Specification:

DC input	2.1mm
input voltage	DC 12V
operating current	1500mA
Frequency Band	76~108MHz
Modulation	WFM
Frequency Step	0.1MHz
Frequency stabilization method	PLL
deviation	±75KHz

RF Output	1.5W / 7W
Output Impedance	50
Harmonic radiation	-60db
Frequency Response	50~15000Hz
Distortion	0.20%
Pre-emphasis	50us
Stereo Separation	40db
Input level	-15dbV
Input impedance	50K
SNR	65db
Matching microphone	Electret microphone
Size	128*95*55 mm
Color	silver/black
Weight	0.45 kg
Working temperature	0~45

### FU-7C 7W FM Transmitter



## FU-15A 15W FM Transmitter

<b>Model :</b>	FU-15A
<b>Product Name :</b>	FU-15A 15W FM transmitter
<b>Description</b>	High quality low power FM transmitter, 1.5w/15w adjustable, PLL, over heat protection.

### Features:

- I FMUSER FU-15A 15w FM transmitter is a professional grade low power FM transmitter operating in FM band (87 – 108MHz).
- I It is intended for indoor (churches, theaters, cinemas, auditoriums, conference halls , Hostels, Commercial Plaza ,Shopping Center, Government Building, Sports Center, Fitness Center, Conference) or outdoor (business parking lots, tourist attractions, talking signs, Rural radio, Outdoor Advertising ,Outdoor Activities ,Orienteering) short range broadcasting in a variety of application such as hearing assistance, translation, information, sound re-enforcement etc.
- I Equipment using advanced modulation system and built-in PLL frequency, audio pre-emphasis, limiter, and low-pass filter circuit.
- I The Control circuit board design and amplifier design to reduce noise, so sound quality is even better.
- I Well-shielded, compact structure, small size, generous appearance, plug and play, very easy to use.
- I Over heat protection, the transmitter can work for longer time without problems.
- I 1.5w / 15w adjustable power output, suit your actual needs.

### Technical Specification:

DC input	2.5mm
input voltage	DC 12V
operating current	2500mA
Frequency Band	88~108MHz
Modulation	W FM
Frequency Step	0.1MHz

Frequency stabilization method	PLL
deviation	±75KHz
RFOu put	15W
Ou put Impedance	50
Hamonic radiation	-60db
Frequency Response	50~15000Hz
Distor tion	0.20%
Pre-emphasis	50us
Stereo Separation	40db
Input level	-15dbV
Input impedance	50K
SNR	65db
Matching microphone	Electret microphone
Size	197*122*45 mm
Color	silver
Weight	0.55 kg
Working temperature	0~40

### FU-15A 15W FM transmitter





## FU-15B 15W FM Transmitter

<b>Model :</b>	FU-15B
<b>Product Name :</b>	FU-15B 15W FM transmitter
<b>Description</b>	High quality low power FM transmitter, 0-15w adjustable, PLL, over heat protection, SWR protection, software control, DAC port.

### Features:

- | Output power continuously adjustable from 0W~15W
- | Constant power, the whole band has 3~ 5W margin
- | Output power automatic locking
- | Microphone with reverb and can be turned on or off
- | Channel is Optional:STEREO/MOMO
- | PC control port, computer manipulation through software, more advanced.
- | Audio digital-analog conversion, easier digital input
- | SWR protection:If the antenna is not connected correctly,there will be automatic access for protection
- | Temperature protection, automatic protection when the transmitter temperature is too high
- | Fan with temperature control switch,automatic ON/OFF
- | Clear display, Precise panel, Simple operation
- | High quality aluminum alloy used for the transmitter, very firm and durable

### Technical Specification:

DC input	2.5mm
input voltage	DC 12V
operating current	250mA
Frequency Band	87~108MHz
Modulation	WFM
Frequency Step	0.1MHz
Frequency stabilization method	PLL

Deviation	±75KHz
RF Output	15W
Output Impedance	50
Harmonic radiation	-60db
Frequency Response	50~15000Hz
Distortion	0.10%
Pre-emphasis	50us
Stereo Separation	40db
Input level	-15dbV
Input impedance	/
SNR	65db
Matching microphone	Electret microphone
Size	173 mm (L) * 110 mm (W) * 48 mm (H)
Color	black
Weight	0.7KG
Working temperature	- 10~45

### FU-15B 15W FM transmitter



## FU-25A 25W FM Transmitter

<b>Model :</b>	FU-25A
<b>Product Name :</b>	FU-25A 25W FM transmitter
<b>Description</b>	High quality low power FM transmitter, 0-25w adjustable, PLL, over heat protection, SWR protection, Mono/Stereo adjustable, excellent sound quality.

### Features:

- | Mono/Stereo optional
- | RF Output power is continuously adjustable from 0W~25W
- | One-button setting to realize all functions.
- | SWR protection: when the antenna and transmitter are not well connected, the transmitter will switch on protection mode automatically to avoid from damage.
- | Temperature protection: when the temperature of transmitter gets too high, the transmitter will switch on protection mode automatically to avoid from damage.
- | Added RS232 communication port, upgrade free in the future.
- | Clear display, Precise panel, Simple operation
- | High quality aluminum alloy used for the transmitter, very firm and durable

### Technical Specification:

DC input	2.5mm
input voltage	DC 12V
operating current	<5A
Frequency Band	87~108MHz
Modulation	WFM
Frequency Step	100KHz
Frequency stabilization method	PLL

Deviation	±75KHz
RF Output	0-25W
Output Impedance	50
Harmonic radiation	-60db
Frequency Response	50~15000Hz
Distortion	0.2%
Pre-emphasis	50us
Stereo Separation	>=-35dB
Input level	-15dbV
SNR	>=-70dB
Matching microphone	Electret microphone
Size	210 mm * 174 mm * 59mm
Weight	1.5KG
Working temperature	- 10~45

### FU-25A 25W FM transmitter



## FU-30A 30W FM Amplifier

Model :	FU-30A
Product Name :	FU-30A 30W FM Amplifier
Description	Low power FM amplifier of 30w output, small size, can work in 85-110Mhz,SWR protection, LED indicators.

### Features:

- I This amplifier can work with FM exciter of 0.2-0.4watt, the high quality amplifying module give the total power output of 30watt or higher.
- I It can work in 85-110mhz band.
- I It has SWR protection, when the antenna and cable system are not well connected, it will switch to protection mode automatically.
- I LED light showing working status.

### Technical Specification:

DC input	2.5mm
input voltage	DC 12V
operating current	5500mA
Frequency Band	85~110MHz
Modulation	W FM
RF Output	30W
Output impedance	50
Harmonic radiation	-60db
Input level	500mW
Input impedance	50
Size	180*68*62mm
Color	black
Weight	0.65 kg
Working temperature	- 10~40

### FU-30A 30W FM amplifier



## FU-30B/50B 30W FM Transmitter

Model :	FU-30/50B
Product Name :	FU-30B/50B 30W 1U Compact FM Amplifier
Description	Standard 1U chassis, 0-30w FM transmitter, high quality, SWR protection.

### Features:

- | 0~30W power adjustable
- | Dual reverb microphone input port
- | External encoder input (for external SCA or RDS encoder)
- | VSWR protection, and can set the start value of the standing wave protection.
- | Over-temperature protection, can set the start value of over temperature protection.
- | Controllable fan forced cooling system, ensure stability and also increase the working life of the fan
- | Automatic volume control function. Input volume can be detected and adjusted automatically to ensure the best modulation.

### Technical Specification:

DC input	6.5mm
input voltage	DC 28V ,DC 12V ,DC 5V
Frequency Band	87 ~ 108MHz
RF Output	50W
Output Impedance	50
Harmonic radiation	-60db
Frequency Response	50 ~ 15000Hz
Distortion	0.20%
Stereo Separation	45db
Input impedance	50
Cover	Black

### FU-30B/50B 30W FM Transmitter





## FU-30B/50B 50W FM Transmitter

Model :	FU-30/50B
Product Name :	FU-30B/50B 50W 1U Compact FM Amplifier
Description	Standard 1U chassis, 0-50w FM transmitter, high quality, SWR protection.

### Features:

- | 0~50W power adjustable
- | Dual reverb microphone input port
- | External encoder input (for external SCA or RDS encoder)
- | VSWR protection, and can set the start value of the standing wave protection.
- | Over-temperature protection, can set the start value of over temperature protection.
- | Controllable fan forced cooling system, ensure stability and also increase the working life of the fan
- | Automatic volume control function. Input volume can be detected and adjusted automatically to ensure the best modulation.

### Technical Specification:

DC input	6.5mm
input voltage	DC 28V ,DC 12V ,DC 5V
Frequency Band	87 ~ 108MHz
RF Output	50W
Output Impedance	50
Harmonic radiation	-60db
Frequency Response	50 ~ 15000Hz
Distortion	0.20%
Stereo Separation	45db
Input impedance	50
Cobr	Back

### FU-30B/50B 50W FM Transmitter



## FSN-801 80W FM Transmitter

Model :	FSN-801
Product Name :	FSN-801 80W 2U Compact FM Transmitter
Description	Standard 2U chassis, 0-80w adjustable, automatic detect of frequency

### Features:

- | Professional stereo sound with excellent separation
- | Standard 19" 2H rack, clean design and high quality manufacturing
- | Low distortion and good Signal/Noise ratio.
- | Modular construction, internal boards can be replaced one by one
- | Built-in CPU system for controlling and monitoring
- | Advanced TEMP protection – SWR protection
- | Automatically detect the best frequency on transmitter matching antenna's.
- | Automatic broadcast software to control broadcasting, realize unmanned operation.

### Technical Specification:

Input voltage	220V or 110V
Frequency Band	87~108MHz
Modulation	FM
Frequency Step	100KHz 10KHz
Frequency stabilization method	PLL
deviator	± 75KHz
Frequency Stability	<± 100Hz
RF Output	0~80watts±0.5dB
Output Impedance	5Ω

Output Connecto	L16 N female
Harmonic suppression	< -65dBc
Frequency Response	80 - 15000Hz
Distortion	< 0.5%
Pre emphasis	50us, 75us
Stereo Separator	50dB
Modulation	15%
Input level	15dBV
SNR	Mono > 70dB (20 to 20KHz),
Input Connecto	BNC, RCA
SCA and RDS input connectors	BNC female
Size	483 x 88 x 320 mm
Color	silver
Weight	9 KG
Working temperature	10 to 45

## FSN-801 80W FM Transmitter



## FSN-150 150W FM Transmitter

Model :	FSN-150
Product Name :	FSN-150 150W 2U Compact FM Transmitter
Description	Standard 2U chassis, 0-150w adjustable, automatic detect of frequency

### Features:

- | User-friendly design of digital front panel, stepping of 100khz.
- | Soft start of RF power from 0 to setting value gradually.
- | 0-150w continuously adjustable RF power with automatic gain control, maintained at a fixed level of any output.
- | You can use the BNC or signal input, the interface to input standard RDS or SCA signal.
- | Rugged all-aluminum shell provides a better thermal environment.
- | Rationalized circuit layout enables user to maintain and replace the parts easily.
- | Adopt ST industrial level MOS transistors SD2931-11.
- | Built-in stereo encoder.
- | Adequate protection of the reflect power and overheating fault.
- | Integrated LCD display showing all system parameters.

### Technical Specification:

Input voltage	220V or 110V
operating current	
Frequency Band	87~108mhz
Modulation	FM
Frequency Step	100KHz
Frequency stabilization method	PLL
deviator	± 75KHz

Frequency Stability	<math>\pm 100\text{Hz}</math>
RF Output	0~150watt $\pm 0.5\text{dB}$
Output Impedance	5 $\Omega$
Output Connector	L16 (N female)
Harmonic suppression	<math>< 65\text{dBc}</math>
Frequency Response	80-15000Hz
Distortion	<math>< 0.5\%</math>
Pre-emphasis	50us, 75us
Stereo Separator	50dB
Modulation	15%
Input level	-15dBV
SNR	Mono>70dB (20 to 20KHz),
Input Connector	BNC, RCA
SCA and RDS input connector	BNC female
Size	483 x 88x 320 mm
Color	silver
Weight	10 KG
Working temperature	-10 to 45

## FSN-150 150W FM Transmitter



## FSN-350 350W FM Transmitter

Model :	FSN-350
Product Name :	FSN-350 350W 2U Compact FM Transmitter
Description	Standard 2U chassis, 0-350w adjustable, automatic detect of frequency

### Features:

- | User-friendly design of digital front panel, stepping of 100khz.
- | Soft start of RF power from 0 to setting value gradually.
- | 0-350w continuously adjustable RF power with automatic gain control, maintained at a fixed level of any output.
- | You can use the BNC or signal input, the interface to input standard RDS or SCA signal.
- | Rugged all-aluminum shell provides a better thermal environment.
- | Rationalized circuit layout enables user to maintain and replace the parts easily.
- | Adopt high reliability latest LDMOS FreeScale transistor MRFE6VP6300HR.
- | Built-in stereo encoder.
- | Adequate protection of the reflect power and overheating fault.
- | Integrated LCD display showing all system parameters.

### Technical Specification:

Input voltage	220V or 110V
operating current	
Frequency Band	87~108mhz
Modulator	FM
Frequency Step	100KHz 10KHz
Frequency stabilization method	PLL
deviator	± 75KHz
Frequency Stability	<± 100Hz

RF Output	0~350watt±0.5dB
Output Impedance	50
Output Connector	L16 (N female)
Harmonic suppression	< -65dBc
Frequency Response	80-15000Hz
Distortion	<0.5%
Pre-emphasis	50us, 75us
Stereo Separation	50dB
Modulation	15%
Input level	15dBV
SNR	Mono>70dB (20 to 20KHz),
Input Connector	BNC, RCA
SCA and RDS input connectors	BNC female
Size	483 x 88x 320 mm
Color	silver
Weight	10 KG
Working temperature	-20 to 45

## FSN-350 350W FM Transmitter





## FSN-600 600W FM Transmitter

Model :	FSN-600
Product Name :	FSN-600 600W 2U Compact FM Transmitter
Description	Standard 2U chassis, 0-600w adjustable, automatic detect of frequency

### Features:

- I User-friendly design of digital front panel, direct control through dip switch.
- I Integrated LCD display showing all system parameters.
- I Rugged all-aluminum shell provides a better thermal environment.
- I Precise frequency generating system, frequency never drift.
- I Built-in stereo encoder.
- I Excellent AGC balance system, RF power is 0-600w continuously adjustable, automatic gain control, maintained at a fixed level of any output.
- I XLR audio input, you can also use the BNC or signal input, the interface to input standard RDS or SCA signal.
- I RF amplifier module adopts Freescale LDMOS MRFE6VP5600H, which is highly reliable in quality, anti SWR 65:1, 27db high gain, 80% efficiency. The ideal use life of transistor officially published by Freescale company is 2000 years.
- I Turn the PC-LINK option at ON status, you can use our free broadcasting software to control all parameters and realize scheduled broadcasting.

### Technical Specification:

Input voltage	220V or 110V
operating current	/
Frequency Band	87~108mhz
Modulation	FM
Frequency Step	100KHz
Frequency stabilization method	PLL

deviator	$\pm 75\text{KHz}$
Frequency Stability	$<\pm 100\text{Hz}$
RF Output	0~600watt $\pm 0.5\text{dB}$
Output Impedance	50
Output Connector	L16 (N female)
Harmonic suppressor	$< 65\text{dBc}$
Frequency Response	80-15000Hz
Distortion	$<0.5\%$
Pre-emphasis	50us, 75us
Stereo Separator	50dB
Modulation	15%
Input level	-15dBV
SNR	Mono $>70\text{dB}$ (20 to 20KHz),
Input Connector	BNC, RCA
SCA and RDS input connectors	BNC female
Size	483 x 88x 320 mm
Color	silver
Weight	11 KG
Working temperature	-20 to 45

## FSN-600 600W FM Transmitter



## FSN-1000 1000W FM Transmitter

Model :	FSN-1000
Product Name :	FSN-1000 1000W 2U Compact FM Transmitter
Description	Standard 2U chassis, 0-1000w adjustable, automatic detect of frequency

### Features:

- | User-friendly design of digital front panel, direct control through dip switch.
- | Integrated LCD display showing all system parameters.
- | Rugged all-aluminum shell provides a better thermal environment.
- | Precise frequency generating system, frequency never drift.
- | Built-in stereo encoder.
- | Excellent AGC balance system, RF power is 0-1000w continuously adjustable, automatic gain control, maintained at a fixed level of any output.
- | XLR audio input, you can also use the BNC or signal input, the interface to input standard RDS or SCA signal.
- | RF amplifier module adopts Freescale LDMOS MRFE6VP61K25H, which is highly reliable in quality, anti SWR 65:1, 27db high gain, 80% efficiency. The ideal use life of transistor officially published by Freescale company is 2000 years.
- | Turn the PC-LINK option at ON status, you can use our free broadcasting software to control all parameters and realize scheduled broadcasting.

### Technical Specification:

Input voltage	220V or 110V
operating current	
Frequency Band	87~108mhz
Modulation	FM
Frequency Step	100KHz
Frequency stabilization method	PLL

deviator	$\pm 75\text{KHz}$
Frequency Stability	$<\pm 100\text{Hz}$
RF Output	0~1000watts $\pm 0.5\text{dB}$
Output Impedance	50
Output Connector	L29 Female
Harmonic suppression	$< -65\text{dBc}$
Frequency Response	80 15000Hz
Distortion	$< 0.5\%$
Pre-emphasis	50us, 75us
Stereo Separation	50dB
Modulation	15%
Input level	15dBV
SNR	Mono $>70\text{dB}$ (20 to 20KHz),
Input Connector	XLR Female
SCA and RDS input connectors	BNC female
Size	483 x 88x 320 mm
Color	silver
Weight	11 KG
Working temperature	20 to 45

## FSN-1000 1000W FM Transmitter



## CZH618F-5W(2U) 5W FM Transmitter

<b>Model :</b>	CZH618F-5W(2U)
<b>Product Name :</b>	<b>5W FM Transmitter(2U)</b>
	Professional FM transmitter(Exciter) with CD-quality broadcasting. All digital technology executes analog FM broadcast. DSP(Digital Signal processor)+DDS(Direct Digital Synthesis frequency) . Advanced MCU control system+big size LCD displayer. Columnar dynamic display audio signal . Supporting AES/EBU standard digital audio input. 5W RF power output with AGC. 19 inches stainless steel cabinet,2U high.

### Features:

- | Adopting new digital signal process (DSP) technology.
- | Direct digital synthesis frequency (DDS) technology
- | Advanced MCU control system.
- | Columnar dynamic display audio signal.
- | Perfect audio effect of CD sound.
- | Supporting AES/EBU standard digital audio input.
- | The standard frequency of RF output is 87.00 ~ 108MHz,with the step of 10kHz
- | Electric control AGC controls the zero deviation of output power.
- | LCD can synchronously display the work parameters.
- | RS-232/485 serial communication remote control and telemetering.

### Technical Specification:

1. Power voltage:	90VAC ~ AC260V, 50Hz ~ 60Hz
2. Power efficeiciency :	60%
3. Heat elimination mode :	wind
4. RF frequency range :	87.00MHz ~ 108MHz(other frequency can be ordered), step10KHz
5. RF Output power :	0~5W
6. RF Output impedance :	50
7. RF Output connector :	N(female)

8. Carrier frequency precision :	±200Hz
9. Harmonic suppression :	> 65dB
10. Parasitic amplitude	< -50dB
11. Modulation frequency	±75kHz ( 100%modulation )
12. Audio pre-emphasis :	0μs、 50μs、 70μs
13. Level difference of right and left	< 0.01 dB ( 100%modulation )
14. Signal-to-Noise :	75dB、 1kHz ( 100%modulation )
15. Audio response	±0.1dB , 10Hz~15000MHz
16. Distortion	< 0.1% , 10 Hz ~15000 MHz
17. Stereo Separation	55dB , 10Hz~15000Hz
18. Pilot frequency	19kHz±1Hz
19. Pilot frequency modulation	8%~10%
20. Analog audio input	600 Ω, balance
21. Analog audio input level	-15dBm ~ +15dBm, step 0.01 dBm
22. Digital audio input	110 Ω, balance
23. Digital audio input level	0.2~10Vpp
24. Digital audio sample rate	30kHz~96kHz

## CZH618F-5W 5W FM transmitter



## CZH618F-30W(2U) 30W FM Transmitter

<b>Model :</b>	CZH618F-30W(2U)
<b>Product Name :</b>	<b>30W FM Transmitter(2U)</b>
	Professional FM transmitter(Exciter) with CD-quality broadcasting. All digital technology executes analog FM broadcast. DSP(Digital Signal processor)+DDS(Direct Digital Synthesis frequency) . Advanced MCU control system+big size LCD displayer. Columnar dynamic display audio signal . Supporting AES/EBU standard digital audio input. 30W RF power output with AGC. 19 inches stainless steel cabinet,2U high.

### Features:

- | Adopting new digital signal process (DSP) technology.
- | Direct digital synthesis frequency (DDS) technology
- | Advanced MCU control system.
- | Columnar dynamic display audio signal.
- | Perfect audio effect of CD sound.
- | Supporting AES/EBU standard digital audio input.
- | The standard frequency of RF output is 87.00 ~ 108MHz,with the step of 10kHz
- | Electric control AGC controls the zero deviation of output power.
- | LCD can synchronously display the work parameters.
- | RS-232/485 serial communication remote control and telemetering.
- | 2U,19-inch standard chassis structure.

### Technical Specification:

1. Power voltage:	90VAC~AC260V, 50Hz~60Hz
2. Power efficeiciency :	60%
3. Heat elimination mode :	wind
4. RF frequency range :	87.00MHz ~ 108MHz(other frequency can be ordered),step10KHz
5. RF Output power :	0~ 30W
6. RF Output impedance :	50

7. RF Output connector :	N(female)
8. Carrier frequency precision :	$\pm 200\text{Hz}$
9. Harmonic suppression :	$> 65\text{dB}$
10. Parasitic amplitude modulation :	$< -50\text{dB}$
11. Modulation frequency deviation :	$\pm 75\text{kHz}$ ( 100%modulation )
12. Audio pre-emphasis :	0 $\mu\text{s}$ , 50 $\mu\text{s}$ , 70 $\mu\text{s}$
13. Level difference of right and left :	$< 0.01 \text{ dB}$ ( 100%modulation )
14. Signal-to-Noise :	75dB, 1kHz ( 100%modulation )
15. Audio response	$\pm 0.1\text{dB}$ , 10Hz~15000MHz
16. Distortion	$< 0.1\%$ , 10 Hz ~15000 MHz
17. Stereo Separation	55dB , 10Hz~15000Hz
18. Pilot frequency	19kHz $\pm 1\text{Hz}$
19. Pilot frequency modulation	8%~10%
20. Analog audio input impedance	600 $\Omega$ ,balance
21. Analog audio input level	-15dBm ~ +15dBm,step0.01 dBm
22. Digital audio input impedance	110 $\Omega$ ,balance
23. Digital audio input level	0.2~10Vpp
24. Digital audio sample rate	30kHz~96kHz

## CZH618F-30W 30W FM transmitter





## CZH618F-100W 100W FM Transmitter

<b>Model :</b>	CZH618F-100W
<b>Product Name :</b>	<b>100W FM Transmitter</b>
	Professional FM transmitter(Exciter) with CD-quality broadcasting. All digital technology executes analog FM broadcast. DSP(Digital Signal processor) +DDS(Direct Digital Synthesis frequency) . Advanced MCU control system +big size LCD displayer. Columnar dynamic display audio signal . Supporting AES/EBU standard digital audio input. 100W RF power output with AGC. 19 inches stainless steel cabinet,2U high.

### Features:

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and digital (AES/EBU) audio signal input directly.
- | AGC circuit can keep the Output Power stability.
- | Big LCD display all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Stainless steel cabinet

### Technical Specification:

1. Power voltage:	90VAC~AC260V, 50Hz~60Hz
2. Power efficiency :	60%
3. Heat elimination mode :	wind
4. RF frequency range :	87.00MHz ~ 108MHz(other frequency can be ordered),step10KHz
5. RF Output power :	0~30W
6. RF Output impedance :	50
7. RF Output connector :	N(female)
8. Carrier frequency precision :	±200Hz
9. Harmonic suppression :	> 65dB
10. Parasitic amplitude modulation :	< -50dB

11. Modulation frequency deviation :	$\pm 75\text{kHz}$ ( 100%modulation )
12. Audio pre-emphasis :	0 $\mu\text{s}$ 、 50 $\mu\text{s}$ 、 70 $\mu\text{s}$
13. Level difference of right and left :	< 0.01 dB ( 100%modulation )
14. Signal-to-Noise :	75dB、 1kHz ( 100%modulation )
15. Audio response	$\pm 0.1\text{dB}$ , 10Hz~15000MHz
16. Distortion	< 0.1% , 10 Hz ~15000 MHz
17. Stereo Separation	55dB , 10Hz~15000Hz
18. Pilot frequency	19kHz $\pm$ 1Hz
19. Pilot frequency modulation	8%~10%
20. Analog audio input impedance	600 $\Omega$ ,balance
21. Analog audio input level	-15dBm ~ +15dBm,step0.01 dBm
22. Digital audio input impedance	110 $\Omega$ ,balance
23. Digital audio input level	0.2~10Vpp
24. Digital audio sample rate	30kHz~96kHz

## CZH618F-100W 100W FM transmitter



## CZH618F-300W 300W FM Transmitter

<b>Model :</b>	CZH618F-300W
<b>Product Name :</b>	<b>300W FM Transmitter</b>
	FM professional radio transmitter of CZH618F-300W is an innovation software-radio products. It executes analog FM transmitting through all digital methods.

### Features:

CZH618F-300W is a professional FM stereo/Mono broadcasting transmitter. The advanced digital technologies, Digital Signal Processor(DSP) and Digital Direct Synthesizer(DDS), are used in the transmitters to get little size, high performance and high reliability. They are widely used for professional radio stations to transmit high quality FM radio programs.

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and digital(AES/EBU) audio signal input directly.
- | AGC circuit to keep the Output Power stability.
- | Big LCD display all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Stainless steel cabinet

### Technical Specification:

1. Frequency Range:	87.0MHz ~ 108.0MHz
2. Frequency Setting step:	10KHz
3. Carrier Frequency precision:	±200Hz
4. Output Power:	0~300W
5. Output Load Impedance:	50
6. RF Output Interface:	N(female).
7. Residual Wave Radiation:	65dBc

8. Audio Input Impedance:	600 $\Omega$ , Balance, XLR
9. Stereo Separation:	55dB
10. Audio Input Level:	-12dBm ~ +8dBm
11. Audio gain:	-15dB ~ +15dB , step 0.01dB
12. S/N:	75dB(30H ~ 15kHz, 100% modulation)
13. Audio Harmonic Distortion:	<0.1%
14. Audio response:	$\pm 0.1$ dB(30Hz ~ 15KHz)
15. Pre-emphasis:	0 $\mu$ S , 50 $\mu$ S , 75 $\mu$ S
16. Deviation:	$\pm 75$ kHz(100% modulation)
17. Pilot Frequency:	19 kHz $\pm 1$ Hz
18. Pilot Signal Modulation:	8% ~ 10%
19. Sub-carrier Suppression:	65dB
20. Power supply	110VAC~265VAC, 50Hz~60Hz
21. Operating Temperature	-5°C to +50°C
22. Operating altitude	5000m above sea
23. Humidity	90%
24. Size:	2U, 19-inch standard
25. Weight:	15KG

## CZH618F-300W 300W FM transmitter



## CZH618F-500C 500W FM Transmitter

<b>Model :</b>	CZH618F-500C 500W
<b>Product Name :</b>	<b>500W FM Transmitter</b>
	Professional 500W FM transmitter All-in-one 19inch 3U cabin Software radio product DSP+DDS CD audio quality Big LCD displays all the parameter Analog and digital(AES/EBU) audio signal input Easy to use.

### Features:

The transmitter implements digital FM modulator module as its core, combining with RF power amplifier. In the transmitter, DSP&DDS are used to execute all-digital processing, such as digital filtering, pre-emphasis, the generation of pilot frequency, stereo coding and FM modulating. A AGC circuit is used to keep the set power stable. High performance and very good reliability has been proved by the large usage of CZH618F-500C transmitters. Also it is low cost and small size.

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and digital(AES/EBU) audio signal input directly.
- | AGC circuit to keep the Output Power stability.
- | Big LCD display all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Stainless steel cabinet

### Technical Specification:

1. Frequency Range:	87.0MHz ~ 108.0MHz
2. Frequency Setting step:	10KHz
3. Carrier Frequency precision:	±200Hz
4. Residual Wave Radiation:	65dBc
5. Audio Input Impedance:	600Ohm, Balance

6. Separation:	60dB
7. Audio Input Level:	± 10dBm , step 0.01dB
8. S/N :	75dB(30H ~ 15kHz,100%)
9. Audio Harmonic Distortion:	<0.05%
10.Audio response:	± 0.05dB(30Hz ~ 15KHz)
11.Output Load Impedance :	50
12.Output Power :	500W
13.Pre-emphasis :	0 μ S , 50 μ S , 75 μ S
14.Deviation:	± 75kHz
15.Pilot Frequency:	19 kHz±1Hz
16.Pilot Signal Modulation:	8% ~ 10%
17.Sub-carrier Suppression :	65dB
18.RF Output Connector:	7/16'(female)or7/8'Flange
19.Size	700mm×485mm×133mm
20.Weight	35KG

## CZH618F-500C 500W FM transmitter



## CZH618F-500W 500W RACK FM Transmitter

<b>Model :</b>	CZH618F-500W
<b>Product Name :</b>	<b>500W RACK FM Transmitter</b>
<b>Description:</b>	Professional 500W FM transmitter, All-in-one 19inch 3U cabin Software radio product DSP+DDS CD audio quality Big LCD displays all the parameter Analog and digital(AES/EBU) audio signal input Easy to use.

### Features:

The transmitter implements 30W digital FM exciter as its core, combining with 500W RF power amplifier module and 3500VA switched power module.

High performance and very good reliability has been proved by the large usage of CZH618F-500W transmitters.

It's easy to maintain.

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and Digital (AES/EBU) audio signal input directly.
- | AGC circuit can keep the Output Power stability.
- | Big LCD display, all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Stainless steel cabinet
- | 1.1-meter Height 19-inch standard rack
- | Easy to maintain
- | High performance and low price

### Technical Specification:

1、 Frequency Range:	87.0MHz ~ 108 MHz
2、 Frequency Setting step:	10KHz
3、 Carrier Frequency precision:	±200Hz
4、 Residual Wave Radiation:	65dBc

5、 Audio Input Impedance:	600 ,Balance
6、 Separation:	60dB
7、 Audio Input Level:	±10dBm , step 0.01dB
8、 S/N:	75dB(10H ~ 15kHz,100%)
9、 Audio Harmonic Distortion:	<0.05%
10、 Audio response:	±0.05dB(10Hz ~ 15KHz)
11、 Output Load Impedance:	50
12、 Output Power:	300W, 500W
13、 Pre-emphasis:	0μS , 50μS , 75μS
14、 Deviation:	±75kHz
15、 Pilot Frequency:	19 kHz±1Hz Pilot Signal Modulation: 8% ~ 10%
16、 Sub-carrier Suppression:	65dB
17、 RF Output Interface:	7/16'(female) or 7/8'Flange

## CZH618F-500W 500W RACK FM transmitter





## CZH618F-1000C 1KW Compact FM Transmitter

<b>Model :</b>	CZH618F-1000C
<b>Product Name :</b>	<b>1000W Compact FM Transmitter</b>
<b>Description:</b>	Professional 1KW FM transmitter All-in-one 19inch 3U cabin Software radio product DSP+DDS CD audio quality Big LCD displays all the parameter Analog and digital(AES/EBU) audio signal input Easy to use

### Features:

CZH618F-1000C is a compact FM stereo broadcasting transmitters. The advanced digital technologies, Digital Signal Processor (DSP) and Digital Direct Synthesizer (DDS), are used in the transmitters to get little size, high performance and high reliability. They are widely used for professional radio stations to transmit high quality FM radio programs.

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and digital (AES/EBU) audio signal input directly.
- | AGC circuit can keep the Output Power stability.
- | Big LCD display all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Compact structure
- | Stainless steel cabinet

### Technical Specification:

1. Frequency Range:	87.0MHz ~ 108 MHz
2. Frequency Setting step :	10KHz
3. Carrier Frequency precision :	±200Hz
4. Residual Wave Radiation :	65dBc
5. Audio Input Impedance :	600 ,Balance
6. Separation:	60dB

7. Audio Input Level :	$\pm 10\text{dBm}$ , step 0.01dB
8. S/N:	75dB(10H ~ 15kHz,100%)
9. Audio Harmonic Distortion :	<0.05%
10.Audio response:	$\pm 0.05\text{dB}$ (10Hz ~ 15KHz)
11.Output Load Impedance :	50
12.Output Power :	500W,1000W
13.Pre-emphasis :	0 $\mu\text{S}$ , 50 $\mu\text{S}$ , 75 $\mu\text{S}$
14.Deviation:	$\pm 75\text{kHz}$
15.Pilot Frequency:	19 kHz $\pm 1\text{Hz}$
Pilot Signal Modulation:	8% ~ 10%
16.Sub-carrier Suppression :	65dB
17.RF Output connector:	7/16'(female)/7/8'Flange
18.Size:	700mm $\times$ 485mm $\times$ 133mm
19.Weight:	36KG

## CZH618F-1000C 1000W FM transmitter



## CZH618F-1KW 1KW RACK FM Transmitter

<b>Model :</b>	CZH618F-1KW
<b>Product Name :</b>	1KW RACK FM Transmitter
<b>Description:</b>	professional FM broadcast transmitter, 1-meter rack, digital FM exciter, AES/EBU input directly, CD quality, high performance. Easy to maintain.

### Features:

The transmitter implements 30W digital FM exciter as its core, combining with 1KW RF power amplifier module and 3500VA switched power module.

High performance and very good reliability has been proved by the large usage of CZH618F-1KW transmitters. It's easy to maintain.

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and Digital (AES/EBU) audio signal input directly.
- | AGC circuit can keep the Output Power stability.
- | Big LCD display, all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Stainless steel cabinet
- | 1.1-meter Height 19-inch standard rack
- | Easy to maintain
- | High performance and low price

### Technical Specification:

1、 Frequency Range:	87.0MHz ~ 108 MHz
2、 Frequency Setting step :	10KHz
3、 Carrier Frequency precision :	±200Hz
4、 Residual Wave Radiation :	65dBc
5、 Audio Input Impedance :	600 ,Balance

6、 Separation:	60dB
7、 Audio Input Level :	$\pm 10\text{dBm}$ , step 0.01dB
8、 S/N :	75dB(10H ~ 15kHz,100%)
9、 Audio Harmonic Distortion :	<0.05%
10、 Audio response:	$\pm 0.05\text{dB}$ (10Hz ~ 15KHz)
11、 Output Load Impedance :	50
12、 Output Power :	1000W
13、 Pre-emphasis :	0 $\mu\text{S}$ , 50 $\mu\text{S}$ , 75 $\mu\text{S}$
14、 Deviation:	$\pm 75\text{kHz}$
15、 Pilot Frequency:	19 kHz $\pm 1\text{Hz}$ Pilot Signal Modulation: 8% ~ 10%
16、 Sub-carrier Suppression :	65dB
17、 RF Output Interface:	7/16'(female) or 7/8'Flange

## CZH618F-1KW 1KW RACK FM transmitter



## CZH618F-2000C 2KW Compact FM Transmitter

<b>Model :</b>	CZH618F-2000C
<b>Product Name :</b>	<b>2KW Compact FM Transmitter</b>
<b>Description:</b>	CZH618F-2000C is a compact FM stereo broadcasting transmitter. The advanced digital technologies, Digital Signal Processor (DSP) and Digital Direct Synthesizer (DDS), are used in the transmitters to get little size, high performance and high reliability. They are widely used for professional radio stations to transmit high quality FM radio programs.

### Features:

- | Hearing quality equals to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and digital (AES/EBU) audio signal input directly.
- | AGC circuit can keep the Output Power stability.
- | Big LCD display all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Compact structure
- | 4U,Stainless steel cabinet

### Technical Specification:

1. Frequency Range:	87.0MHz ~ 108.0MHz
2. Output Power:	0~2000W
3. Output power deviation:	<± 10%
4. Output power stability:	<± 3%
5. Output Load Impedance:	50
6. RF Output Interface:	7/16"(female) or 7/8"Flange
7. SFDR:	< -70dB
8. High Harmonic:	< -65dB
9. Residual Amplitude Modulation:	< -50dB
10. Carrier Frequency Precision:	±200Hz

11. Analog Audio Input:	-12dBm ~ +8dBm
12. Audio Input Level Gain:	-15dB ~ +15dB, step 0.1dB
13. Audio Input Impedance:	600 $\Omega$ , Balance, XLR
14. AES / EBU input impedance:	110 $\Omega$ , Balance, XLR
15. AES / EBU input level:	0.2 ~ 10Vpp
16. AES / EBU sample rate:	30kHz ~ 96kHz
17. SCA Input:	Unbalance (optional) BNC connector
18. Pre-emphasis:	0 $\mu$ S, 50 $\mu$ S, 75 $\mu$ S (optional)
19. Audio Response:	$\pm$ 0.1dB (30Hz ~ 15000Hz)
20. LR channel level difference:	<0.1dB (100% modulation)
21. Stereo Separation:	50dB 30Hz ~ 15000Hz
22. Stereo S/N ratio:	70dB 1KHz, 100% modulation
23. Distortion:	< 0.1% 30Hz ~ 15000Hz
24. Cooling mode:	Forced Convection
25. Temperature Range:	-10 ~ +45
26. Relative humidity:	<95%
27. Working Altitude:	<4500m
28. Power Consumption:	3300VA
29. Size:	4U, 19-inch standard,650mmx483mmx177mm
30. Weight:	45KG

## CZH618F-2000C 2KW Compact FM transmitter



## CZH618F-2KW 2KW Rack FM Transmitter

<b>Model :</b>	CZH618F-2KW
<b>Product Name :</b>	<b>2KW Rack FM Transmitter</b>
<b>Description:</b>	Professional FM broadcast transmitter, 1.1-meter rack, Digital FM exciter; AES/EBU input directly, CD quality, high performance. Easy to maintain.

### Features:

CZH618F-2KW is a rack FM stereo broadcasting transmitter, it consists of one digital FM exciter, 2pcs of 1KW power amplifiers, one 2-way splitter, one 2-way combiner and one control and display unit. All these are installed in a 1.1-meter high 19-inch standard rack. It's easy to maintain. It is widely used for professional radio stations to transmit high quality FM radio programs.

- | Hearing similar to CD
- | All-digital technologies DSP+DDS
- | Built-in audio signal limiter
- | Analog and digital (AES/EBU) audio signal input directly.
- | AGC circuit can keep the Output Power stability.
- | 8-inch Color LCD with touch panel displays all the parameters in real time.
- | Communication Interface by RS232 for remote
- | Five kinds of protections for the security
- | Stainless steel cabinet
- | 1.1-meter Height 19-inch standard rack
- | Easy to maintain
- | High performance and low price

### Technical Specification:

1. Frequency Range:	87.0MHz ~ 108.0MHz
2. Frequency Setting step:	10KHz
3. Carrier Frequency precision:	±200Hz
4. Residual Wave Radiation:	65dBc
5. Audio Input Impedance:	600 , Balance

6. Stereo Separation:	55dB
7. Audio Input Level:	$\pm 10\text{dBm}$ , step 0.01dB
8. S/N:	75dB (10H ~ 15kHz, 100%)
9. Audio Harmonic Distortion:	<0.1%
10. Audio response:	$\pm 0.05\text{dB}$ (10Hz ~ 15KHz)
11. Output Load Impedance:	50
12. Output Power:	0~2000W
13. Pre-emphasis:	0 $\mu\text{S}$ , 50 $\mu\text{S}$ , 75 $\mu\text{S}$
14. Deviation:	$\pm 75\text{kHz}$
15. Pilot Frequency:	19kHz $\pm 1\text{Hz}$
16. Pilot Signal Modulation:	8% ~ 10%
17. Sub-carrier Suppression:	65dB
18. RF Output Interface:	7/16'(female) or 7/8'Flange
19. Size:	1.1-meter, 19-inch standard rack
20. Weight:	180KG

## CZH618F-2KW 2KW Rack FM transmitter





## CZH618F-3KW 3KW Rack FM Transmitter

<b>Model :</b>	CZH618F-3KW
<b>Product Name :</b>	<b>3KW Rack FM Transmitter</b>
<b>Description:</b>	CZH618F-3KW is an excellent FM stereo transmitter for professional radio stations. It is reliable and high Performance. It consists of center control module, digital exciters, 3pcs 1KW FM amplifier modules, 3-way combiner, a perfect BPF

### Features:

- | Hearing similar to CD
- | 3pcs 1KW RF power modules. Total output power is extremely stable thanks to AGC (Automatic Gain Control).
- | 3-way High efficiency power combiner with patent technology.
- | Digital 100W exciters (DSP+DDS).
- | Analog and digital (AES/EBU) audio signal input directly.
- | 8-inch Color LCD with touch panel displays all the parameters in real time.
- | Intelligent protection functions by centre control module, like over PF, over SWR, over Temp, Over V, Over I.
- | RS232/RS485 Communication interface ready for remote system.

### Technical Specification:

1. Output RF power:	3KW
2. Frequency range:	87.5~108MHz(other frequency can be ordered)
3. Analog input resistance:	600ohm, balance
4. Digital input resistance:	110ohm, balance
5. Output RF connector:	7/8'(female)
6. Carrier frequency precision:	±200Hz
7. Harmonic suppression:	70dB
8. Parasitic amplitude modulation:	-60 dB
9. Modulation frequency deviation:	75kHz; 100%modulation
10. Audio pre-emphasis:	0; 50us; 75us

11. Level difference of right and left:	0.01 dB; 100%modulation;
12. Signal-to-Noise:	75dB; Type1kHz, 100%modulation;
13. Audio response:	0.05dB, 10Hz~15000MHz
14. Distortion:	0.1%, 30 Hz ~15KHz
15. Stereo FM transmitter Separation:	55dB, 30Hz~15KHz
16. Pilot frequency:	19kHz

### CZH618F-3KW 3KW Rack FM transmitter



## CZH618F-5KW 5KW Rack FM Transmitter

<b>Model :</b>	CZH618F-5KW
<b>Product Name :</b>	<b>5KW Rack FM Transmitter</b>
<b>Description:</b>	CZH618F-5KW is an excellent FM stereo transmitter for professional radio stations. It is reliable and high Performance. It consists of center control module, double digital exciters, 6pcs hot-plug 1KW FM amplifier modules, 6-way combiner, a perfect BPF and 5pcs hot-plug 2500VA switched power source modules.

### Features:

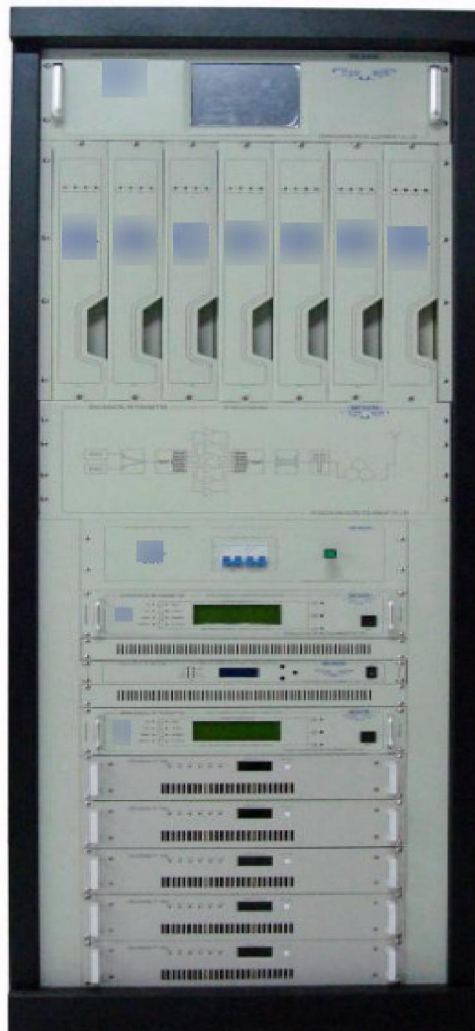
- | Six units 1KW hotplug RF power modules. Total output power is extremely stable thanks to AGC(Automatic Gain Control).
- | Five units 2500VA hotplug switched power supply units are working in parallel.
- | 6-way High efficiency power combiner with patent technology.
- | Two All-digital 100W exciters(DSP+DDS) with automatic changeover switch (optional).
- | Analog and digital(AES/EBU) audio signal input directly.
- | 8-inch Color LCD with touch panel displays all the parameters in real time.
- | Intelligent protect functions by centre control unit, like over Pf, over SWR, over Temp, Over V, Over I.
- | Real hot-plug structure, the modules can be repairing at non-stop condition.
- | RS232/RS485 Communication interface ready for remote system.

### Technical Specification:

1. Frequency Range:	87.0MHz~108 MHz
2. Frequency Setting step:	10KHz
3. Carrier Frequency precision:	200Hz
4. Residual Wave Radiation:	70dBc
5. Analog audio Input Impedance:	600 Ω , Balance
6. AES/EBU digital audio input impedance:	110 Ω , Balance
7. Separation:	>50dB, 30Hz~15KHz
8. Audio Input Level:	-10dBm~ +10dBm, step 0.01dB
9. S/N:	>75dB (1kHz, 100%modulation)
10. Audio Harmonic Distortion:	<0.1%

11. Audio response:	0.1dB(10Hz~15KHz)
12. Output Load Impedance:	50
13. Output Power:	0W~5KW
14. Pre-emphasis:	0 $\mu$ S, 50 $\mu$ S, 75 $\mu$ S
15. Deviation:	$\pm$ 75kHz
16. Pilot Frequency:	19 kHz; 0.5Hz
17. RF Output Interface:	1 + 5/8'
18. Size:	Width(72mm), Height(1950mm), Depth(1200mm)
19. Weight:	350KG

### CZH618F-5KW 5KW Rack FM transmitter



## CZH618F-10KW 10KW Rack FM Transmitter

<b>Model :</b>	CZH618F-10KW
<b>Product Name :</b>	<b>10KW Rack FM Transmitter</b>
<b>Description:</b>	CZH618F-10KW is an excellent FM stereo transmitter for professional radio stations. It is Hot-Plug Design, high reliability and high Performance. It consists of center control module, double digital exciters, 12 pcs hot-plug 1KW FM amplifier modules, 12-way combiner, a perfect BPF and 7 pcs hot-plug 2500VA switched power supply modules. This can be repaired without turn off entire transmitter.

### Features:

- I Large Power Redundancy: 12pcs 1KW hot-plug RF Amplifier modules combined efficiently; 7pcs 3500VA switched power supply modules are working in parallel.
- I Output Power Stable: Total output power is extremely stable by AGC (Automatic Gain Control). Ensure the output power would not change with the boot time and ambient temperature, power stability is less than 10W.
- I Dual-Exciter: Two All-digital 100W exciters (DSP+DDS) with automatically changeover switcher, increase entire transmitter stability.
- I Analog and Digital (AES/EBU) audio signal input directly; Hearing similar to CD.
- I 8-inch Color LCD with touch panel displays all the parameters in real time.
- I Intelligent protection functions by centre control module, like Over Forward Power, Over SWR, Over Temperature, Over Voltage, Over Current. It can adjust output power intelligent, keep the maximum safe output power and keep fault not expanding.
- I Best dustproof performance: All inlets are made of high-quality filters which can filter out dust in the air to keep stability of transmitter
- I Best lightning protection: high quality SPD lightning protection from Germany for the whole power supply.
- I Real Hot-Plug structure, the Amplifier modules and Power Supply modules can be repairing at non-stop condition in any case.
- I Timing automatically adjusts the output power: After setting, the transmitter can automatically adjust the output power at different times of the day, convenient for economical radio broadcasting.
- I Advanced Remote Telemetry Interface: RS232/RS485 or TCP/IP Internet Communication interface is ready for remote control system which can read all detail parameters from transmitter.

## Technical Specification:

1. Frequency Range:	87.0MHz~108 MHz
2. Frequency Setting step:	10KHz
3. Carrier Frequency precision:	200Hz
4. Residual Wave Radiation:	75dBc
5. Analog audio Input Impedance:	600 , Balance
AES/EBU digital audio input impedance:	110 Ohm, Balance
6. Separation:	50dB,30Hz~15KHz
7. Audio Input Level:	-10dBm~ +10dBm, step 0.01dB
8. S/N:	75dB (1kHz, 100%modulation)
9. Audio Harmonic Distortion:	0.10%
10. Audio response:	0.1dB(10Hz~15KHz)
11. Output Load Impedance:	50
12. Output Power:	0~10KW
13. Pre-emphasis:	0μS, 50μS, 75μS
14. Deviation: &plusmn:	75kHz
15. Pilot Frequency:	19 kHz; 1Hz
16. RF Output Interface:	3+1/8'
17. Size:	Width(144mm),Height(1950mm),Depth(900mm)
18. Weight:	550KG

### CZH618F-10KW 10KW Rack FM transmitter

