

JAZZ 1000

1000 W PROFESSIONAL FM STEREO TRANSMITTER



Main Features

- **HIGH QUALITY PROFESSIONAL EXCITER:** STATE OF THE ART OF PERFORMANCE
- **NOMINAL RF POWER:** 1000W,
- **COMPACT SIZE:** ONLY TWO 19" RACK UNIT CABINET
- **VERY LOW SIGNAL TO NOISE:** TYP. 85 dB
- **HIGH STEREO SEPARATION:** TYP. 70 dB
- **LOW DISTORTION:** THD, IMD & TIM TYP. 0,03%.
- **TOTAL SPECTRAL PURITY:** > -100 dBc SPURIOUS, > - 75 dBc HARMONICS
- **SEVEN SELECTABLE COMPLETE SET-UP:** READY FOR USE IN 7+1 SYSTEM
- **REMOTE CONTROL:** TWO INDEPENDENT RS 485 PORTS.
- **TCP/IP TELEMETRY INTERFACE**
- **FULL-RANGE POWER SUPPLY:** 90-260 VAC MAINS VOLTAGE
- **COMPLIANT WITH ALL THE STANDARD:** ETSI – CCIR - FCC.
- **DIGITAL STEREO CODER:** SUPERIOR STEREO QUALITY

Options

- **FULL FEATURES RDS / RBDS CODER:** PROGRAMMABLE BY PC
- **DIGITAL AUDIO INPUTS:** AES/EBU & OPTICAL TOS-LINK
- **WEB- TELEMETRY INTERFACE:** TELEMETRY OVER IP
- **EXTERNAL SYNCHRONISATION:** FOR SFN APPLICATIONS
- **OIRT & JPN:** FREQUENCY BAND VERSION
- **LPFM CODE STATION:** FCC IDENTIFICATIONS CODE

STEREO ENCODER
INTEGRATED

READY
FOR N+1 SYSTEM

DIGITAL INPUT
OPTIONAL

INTERNAL RDS
OPTIONAL

IP TELEMETRY
OPTIONAL



JAZZ Family is a compact FM Amplifier with very good performance at low-cost designed for cost-effective applications as low power station as well as transmitters for medium power. It is realized in the output power sizes from 1000W and it is housed into an ultra-compact cabinet of only two unit height. Its output power can be easily set from 20 to the nominal power.

JAZZ1000 allows the possibility to be easily upgraded with useful options, in order to meet all the customer needs, like integrated RDS Encoder and FCC station coding.

The JAZZ1000's integrated CPU card allows a large number of monitoring parameter. An user-friendly menu visualized in a clear LCD display allows the configuration and setting of all the working parameters and the monitoring of the operating values.

Order CODE

STF00XXX : JAZZ1000

STF00XXX : JAZZ1000 witht RDS

STF00XXX : JAZZ-1000 witht AES-EBU

InnoAction srl
Sales Office:
www.innovaction.it

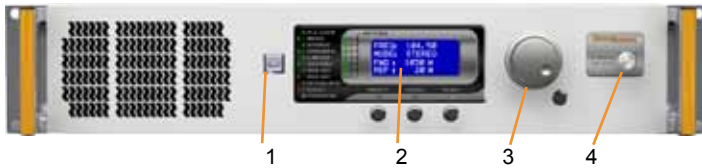
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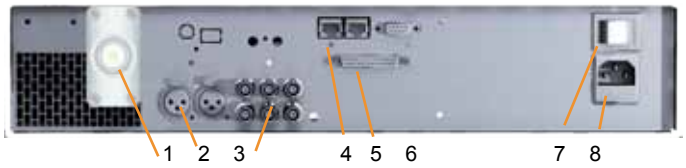
JAZZ 1000

Technical Specifications

Front View



Rear View



Front Panel

- | | |
|----------------------|---|
| 1. USB Port | USB Connector for upgrade function LCD |
| 2. Display | FOUR- row, sixteen-characters LCD Display |
| 3. Encoder | Rotary encoder RF Monitor |
| 4. RF Output Monitor | BNC female (50 Ohm) |

Rear Panel Connectors

- | | |
|-----------------------------|---|
| 1. RF OUT | RF Output. 7/8 type connector, female. |
| 2. Right/Left Mono Input IN | XLR Type Connectors |
| 3. MPX/AUX/RDS-Ex/AF Mon | BNC Connectors. |
| 4. Remote Connectors | 2 connectors RJ45 for RS485 connection. |
| 5. Remote Connectors | DB25 for Telemetry. |
| 6. Remote Connectors | DB9 For remote control |
| 7. Mains Switch | |
| 8. AC Mains | VDE Mains socket |

TECHNICAL SPECIFICATIONS

GENERAL

Power Output: 1000 W continuously adjustable from front panel.
RF Output Impedance: 50 Ohm
RF Output Connector: DIN 7/16" type (EIA 7/8" Optional)
Monitor RF: BNC connector -47dBc
VSWR: 1.5:1 Maximum with automatic fold-back at higher VSWR
Frequency Range: 87.5 ÷ 108.00 MHz, on request 66 ÷ 74 MHz (OIRT),
76 ÷ 90 MHz (JPN) Programmable in 10 KHz steps.
RF Harmonics & Spurious: Exceeds all the international standards ETSI /
EBU/CCIR/FCC
Frequency Stability: ±1 ppm from -5 to 50°C.
Reference: can be external synchronized with 1-2-2.5-5-10 MHz with au-
tomaical selection.
Frequency Control: Synthesizer µprocessor control.
Type of Modulation: Direct frequency modulation of carrier frequency, F3E
stereo and mono
Lock in Time: Typ. 4 second.
Off Lock Attenuation: ≥ -80 dBc.
Modulation Capability: ±150 KHz.
Modulation Mode: Mono, Stereo, Multiplex, SCA, RDS, Aux.
Preemphasis: Flat/50/75µs selectable from front panel.
Asynchronous AM S/N Ratio: -70 dB below reference carrier with 100% AM
modulation @ 400 Hz, without FM modulation.
Synchronous AM S/N Ratio: -65 dB below reference carrier with 100% AM
modulation @ 400 Hz with FM modulation ±75 KHz @ 400 Hz.
RF Harmonics: Exceeds ETSI/CCIR/FCC requirements.
RF Spurious: Exceeds ETSI/CCIR/FCC requirements.

AUXILIARY CONNECTIONS

DB9: female connector back panel for remote control and Telemetry.

ELECTRICAL

AC Input Power: 90÷260 VAC 50/60 HZ single phase, full-range PFC
Power Supply
AC Apparent Power Consumption: 1520 VA @ 1000W.
Active power Consumption: 1500 W@1000W.
Cooling: Forced air with internal long life brushless ball bearing fan.
Acoustic noise:< -56 dBa @ 1 meter.

ENVIRONMENTAL

Operating temperature: -10°C to +50°C.
Max Operating Altitude: 3000 mt.
Relative Humidity Range: 0 to 95% non condensing.

OPTIONS

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- DIGITAL AUDIO INPUTS: AES/EBU & OPTICAL TOS-LINK
- WEB- TELEMETRY INTERFACE: TELEMETRY OVER IP
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PHYSICAL DIMENSION

Mounting: Standard 19" chassis 2 U rack.
Size: 485 mm. W x 550 mm. D x 88 mm. H.
Weight: ~ 14,5 Kg.

Features and specifications are subject to change without notice

Packing single Unit: 560 W x 510 D x 190 mm. H, Weight: ~16.1 Kg.