ON AIR

DIGITAL TRANSMITTER

About Us

Onair is a specialist in design and manufacturing of FM & TV broadcasting equipment and solutions since 1996. We strive to be the recognized leader in radio broadcast technology. We will provide the environment, resources and incentives that motivate our customers, employees, stockholders and suppliers to attain that goal.

About Us
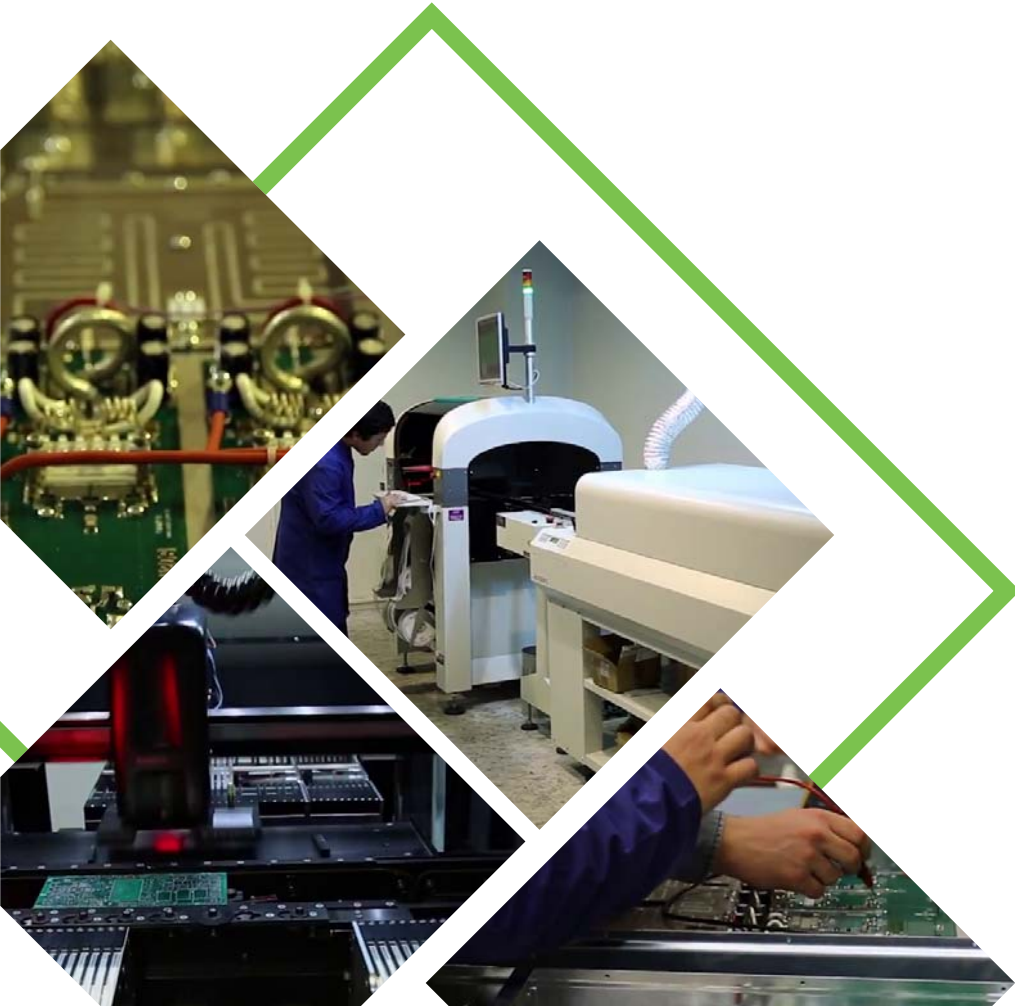
We've been **crafting** durable transmitters & making *clients* happy for 22 years.

We are continously improving ourselves through innovation. We are devoted to provide latest technology products. We offer full range of broadcasting solutions which are tailored to meet the evolving needs of our clients and partners.

Permits & Certificates

We have all permit's and licences to manufacture all RF devices. Also we have total quality management certificate ISO9001 that all our processes are quality guaranteed.
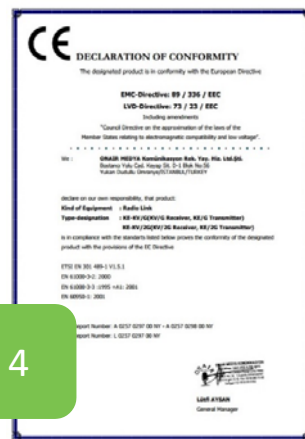
1. ISO 9001 QUALITY MANAGEMENT

2. MANUFACTURER PERMIT

3. TECHNICAL SUFFICIENCY CERTIFICATE

4. CE DECLARATION OF CONFORMITY CERTIFICATES

In-house research and Development for +20 years

Our R&D team working continously to achieve and set higher standarts everyday.
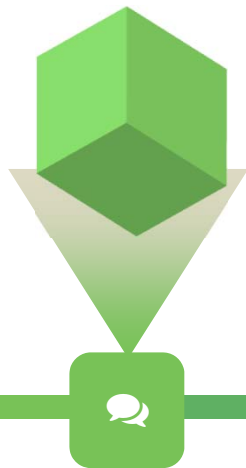
Why Onair?

Onair is proudly serving for more than 75 countries for over 20 years!

HIGH TECH

All our products are planned and developed using high technology.

SIMPLE

Our products are easy to use,. In case of any need of help, we have broad-range of support resources.

INTERNATIONAL

We are serving more than 75 countries for over 20 years.
We can bring on-site support to anywhere in the world.

EFFICIENT

All our products are desinged efficiency in mind. So our products are more efficient than our competitors.

INDEPENDENT

We are using common units in our products. You are not dependent to us to fix or replace materials.

Onair Service Center

Our products are integrated to the cloud with the help of recent IoT technologies!

All features at one cloud location!

Our transmitters are built-in to support cloud. We have developed an unique cloud platform for you to manage all Onair devices.

- Monitoring and analysing
- Ease of reaching support
- Technical documents and manuals
- Video recordings of howto's
- RF coverage map prediction
- And many more

Multi Screen Remote Control

Onair Service Center always looks beautiful and provides handy way
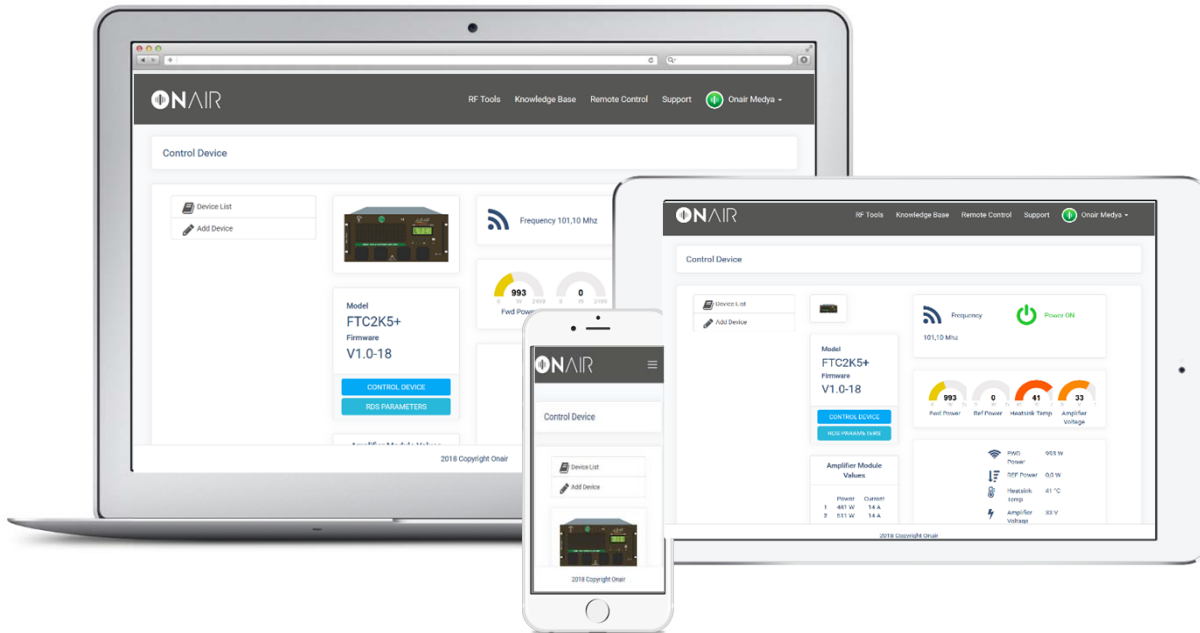
Onair Service Center is accesible with all internet connected devices.

From desktops, to laptops, tablets and smart phones. Onair enables you to manage and monitor your devices.

You can take advantage of cloud in 3 simple steps.

01 **Register for an account**

Browse to https://osc.onair.com.tr and click register button. Fill the detail s and you are ready.

02 **Enable access from local**

Devices are disabled to connect to cloud in advance to protect your privacy. Enable Use Onair Server setting from local.
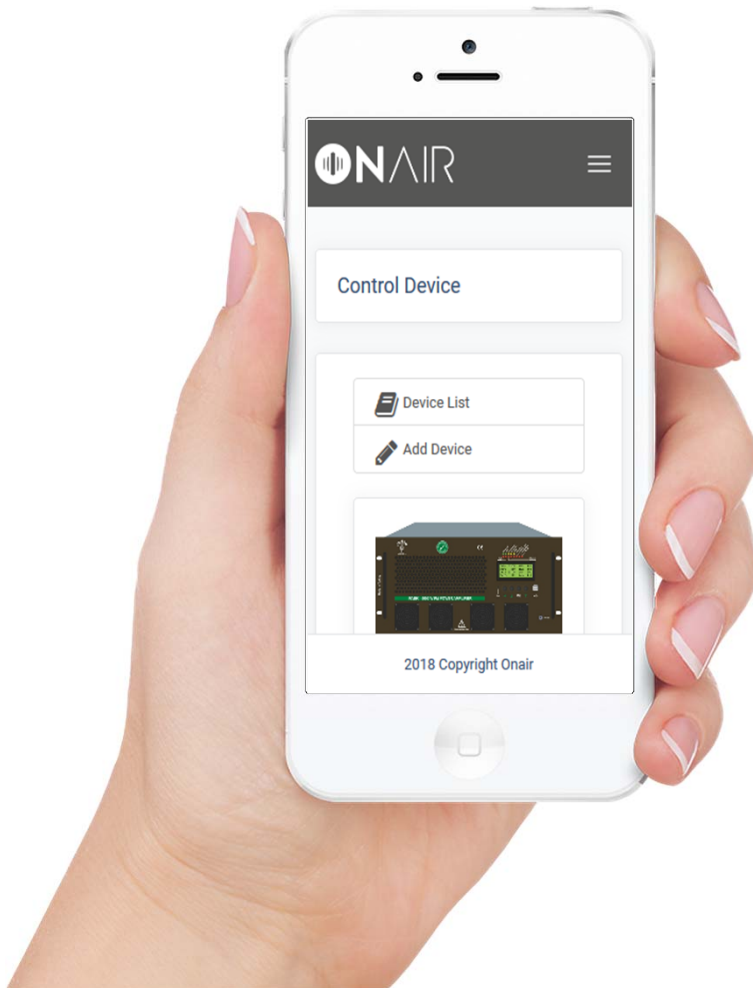
03 **Fill details of your device**

You'll need serial number and mac address of your dewvice. Which they are accessible through local IP address.

Onair Service Center

No additional application installing required. Just navigate to https://osc.onair.com.tr

No need to download from Application Stores

Onair Service Center is accesible from your smart phone's browser. You can take advantage right from your smart phone.

Also notifications are enabled too. Just allow notifications from browser and you are ready.

FM Product Range

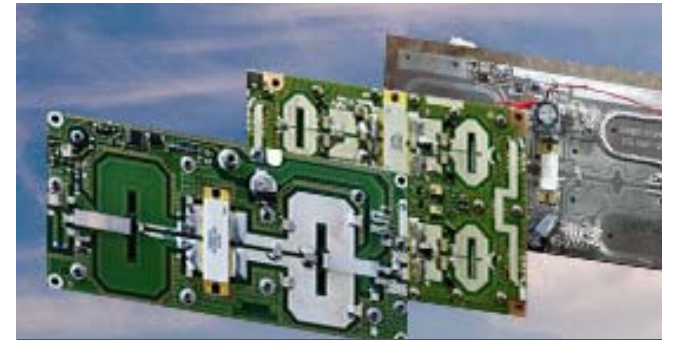**COMPACT FM EXCITERS & TRANSMITTERS**

COMPACT FM EXCITERS & TRNSMTTRS -D SERIES

FM AMPLIFIERS

FM TRANSMITTERS

FM TRANSMITTERS – D SERIES

FM PALLET AMPLIFIERS

Compact FM Exciters and Transmitters
Powerful, Efficient, Durable.

Compact FM Exciters & Transmitters

Key features

Efficient
Very Efficient LDMOS Amplifier

Our transmitters are manufactured using high efficient LDMOS transistors.

Compact
Only 3U and lightweight

Less weight and dimensions of Compact transmitters provides less transport cost

Cloud ready
Remote controlling is default on FTC!

FTC series have built-in remote control system, which is also cloud ready.

RDS PSN
Song and singer name broadcasting

Your radio automation software can automatically broadcast RDS data to the transmitters.

Backup Audio
Fallback to IP Audio or Local player

FTC series have integrated audio player, which can be defined as backup audio.

Compact FM Exciters & Transmitters

Main features

- Very compact case
- Measurement and display of the transmitter's working parameters
- Excellent audio performance
- Direct to channel digital exciter with built in RDS encoder
- High ReliabilityUse Of Microstrip Technology
- Forward power, reflected power, heatsink temperature, transistor current and voltage protections
- Built in silence dedector, failover to integrated audio player or Ip audio (Adjustable time and threshold)
- Audio input selection between transmitter audio input, IP audio, integrated audio player
- Event logging (Notificaton over e-mail, SMS and Onair Service Center)
- Remote Control over Internet, TCP/IP and Onair Service Center
- Internal IP Audio Decoder (Shoutcast, Icecast, Mpeg TS, Mpeg2 TS, Flacstream, PCM Stream)
- 1+1 Redundancy system ready *(N+1 Redundancy System on –D Series)*
- Automatically finds the best working parameters to get maximum efficency
- Fresh start with reverting to the factory settings
- Song and singer name broadcasting via RDS PSN (compatible with all radio automation softwares)
- Cellular internet connecton supported usng 3G/4G Usb stick

Compact FM Exciters & Transmitters

Comparison of FCT and FTC-D models

Function	FTC	FTC-D	Description
MPX input		✓	
AES/EBU input		✓	
S/N ratio	>50dB	>90dB	
Automatic audio source selection		✓	When L&R audio source is cut off, MPX or AES/EBU can be selected automatically
Switch off if there is no audio		✓	It can be set a time to switch off the transmitter if there is no audio
Printer port		✓	It is used to print out the event logs
N+1 Redundancy system		✓	in this tender 3+1 system will be possible without automatic change over unit
GPIO		✓	when temperature or humidity is high you can run air-condition automatically
RS485		✓	it is necessary to select the audio source of broken transmitter in 3+1 audio switch
RS232		✓	It is used to program the internal RDS via satellite
USB		✓	It is used to update the software of control system
Interlock		✓	It is used to stop the transmitter in case of emergency
Room temperature protection		✓	
Humidity protection		✓	

Compact FM Exciters & Transmitters

Available Models

Model	Power	Size
FTC25	25 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 9 kg
FTC25-D	25 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 12 kg
FTC50	50 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 13 kg
FTC50-D	50 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 13 kg
FTC100	100 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 14 kg
FTC100-D	100 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 16 kg
FTC300	300 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 16 kg
FTC300-D	300 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 22kg
FTC600	600 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 22kg
FTC600-D	600 W	48.5 - 58 - 13.5 cm (3U Rack Unit) – 22kg
FTC1K	1000 W	48.5 - 55 - 13.5 cm (3U Rack Unit) – 23 kg
FTC1K-D	1000 W	48.5 - 55 - 13.5 cm (3U Rack Unit) – 23 kg

Model	Power	Size
FTC1K5	1500 W	48.5 - 55 - 13.5 cm (3U Rack Unit) – 23 kg
FTC1K5-D	1500 W	48.5 - 55 - 13.5 cm (3U Rack Unit) – 23 kg
FTC2K	2000 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 30 kg
FTC2K-D	2000 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 30 kg
FTC2K5	2500 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 30 kg
FTC2K5-D	2500 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 30 kg
FTC3K	3000 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 30 kg
FTC3K-D	3000 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 30 kg
FTC4K-D	4000 W	48.5 - 77.5 - 22 cm (5U Rack Unit) – 55 kg
FTC5K-D	5000 W	48.5 - 77.5 - 22 cm (5U Rack Unit) – 55 kg

FM Amplifiers
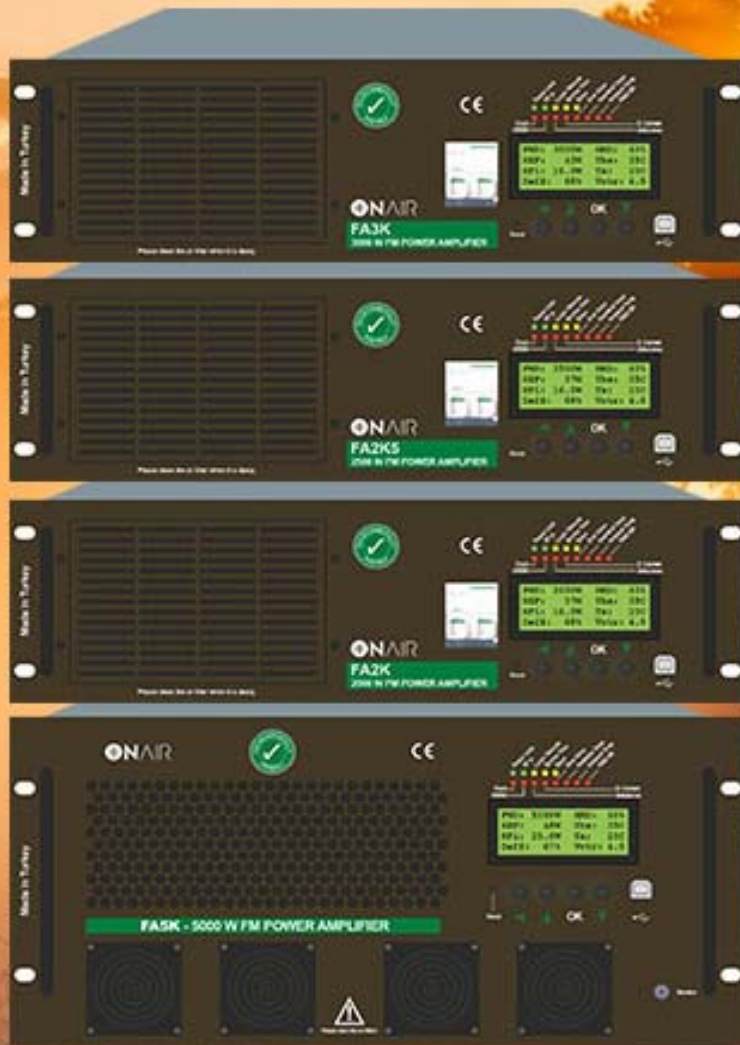
FM Amplifiers

Smartest **FM Amplifiers** on the market.

Efficient
Very Efficent LDMOS Amplifier

Our amplifiers are manufactured using high efficient LDMOS transistors.

Backed up
N+1 Redundancy system

With the Built-in N+1 Redundancy system, you'll be always on air.

Cloud ready
Remote controlling is default on FA's!

FA series have built-in remote control system, which is also cloud ready.

Available Single Unit Models

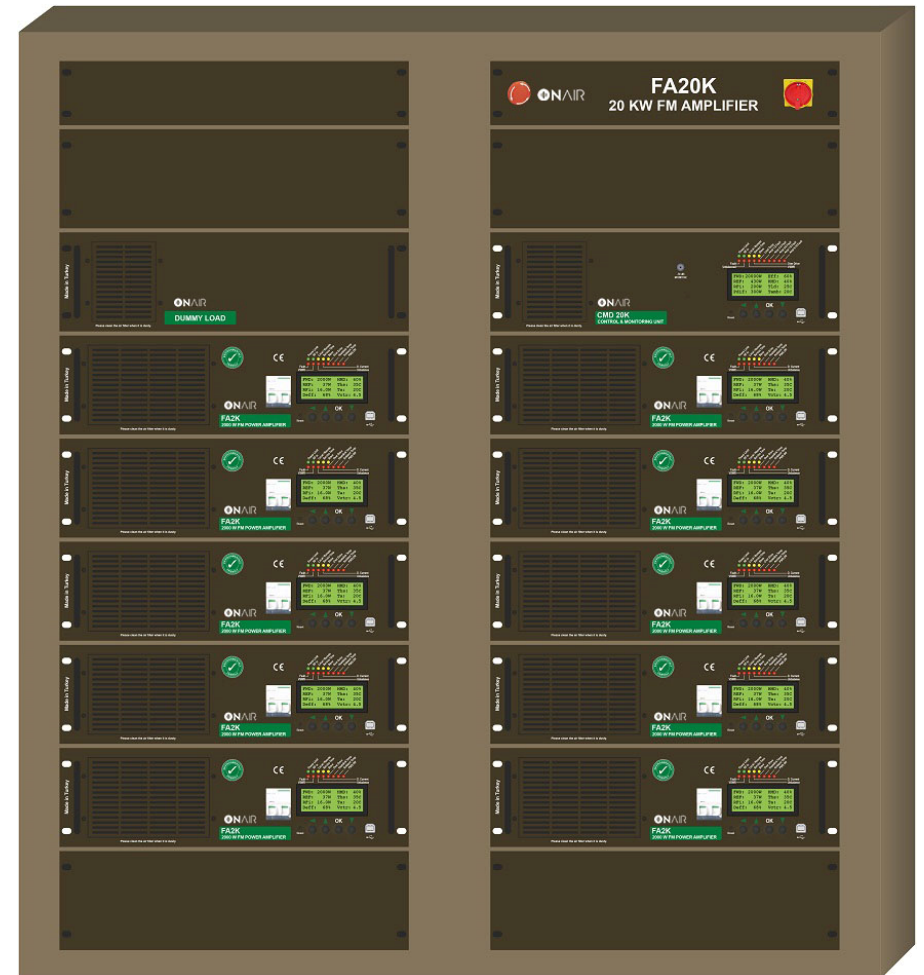| Model	Power	Size
FA300	300 W	48.5 - 49 - 13.5 cm (3U Rack Unit) – 16 kg
FA600	600 W	48.5 - 55 - 13.5 cm (3U Rack Unit) – 22 kg
FA1K	1000 W	48.5 - 55 - 13.5 cm (3U Rack Unit) – 30 kg
FA2K	2000 W	48.5 - 64.8 - 13.5 cm (3U Rack Unit) – 32 kg
FA2K5	2500 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 32 kg
FA3K	3000 W	48.5 - 68 - 13.5 cm (3U Rack Unit) – 32 kg
FA4K	4000 W	48.5 - 77.5 - 22 cm (5U Rack Unit) – 53 kg
FA5K	5000 W	48.5 - 77.5 - 22 cm (5U Rack Unit) – 53 kg
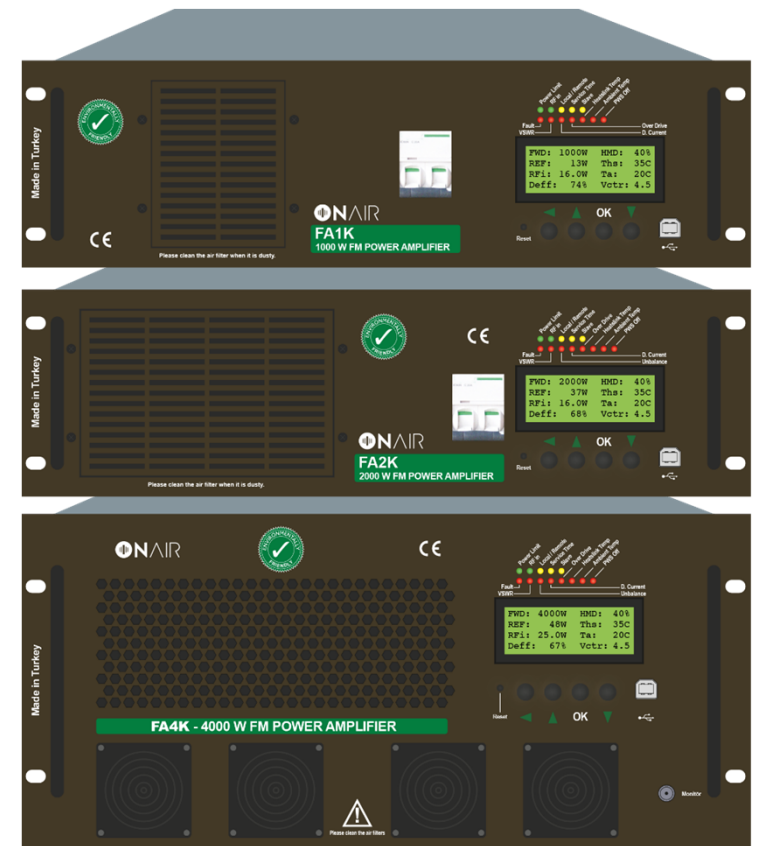
FM Amplifiers

High Power **FM Amplifiers**

We have designed most efficient and powerful way of the combination of FA series. Always works with a harmony in a fault-free way.
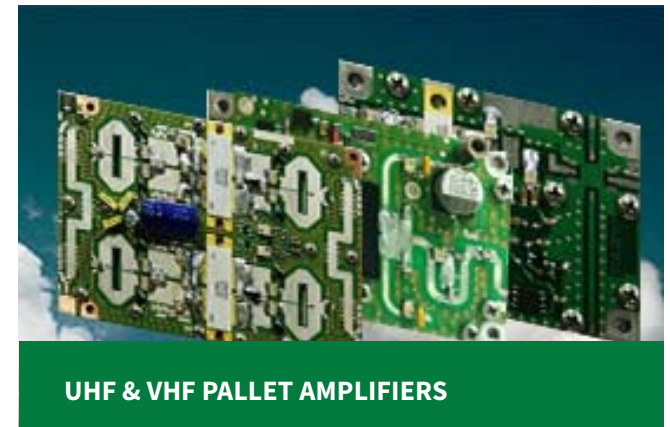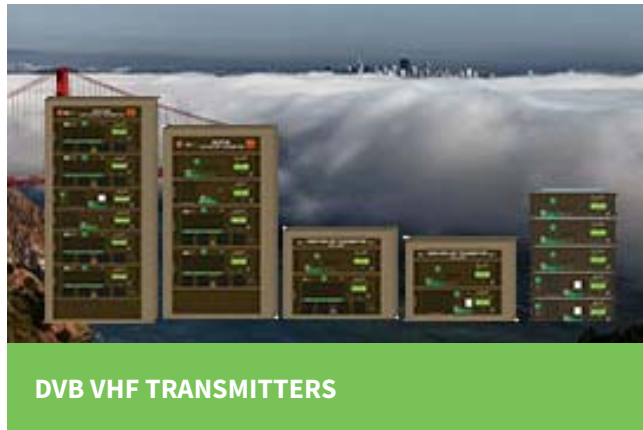
Model	Power	Units	Size
FA6K	6000 W	3xFA2K, CMD6K	50 - 100 - 90 cm (20U Rack Unit) – 150 kg
FA8K	8000 W	2xFA4K, CMD8K	50 - 100 - 94.5 cm (21U Rack Unit) – 160 kg
FA10K	10000 W	5xFA2K, CMD10K	50 - 120 – 94.5 cm (21U Rack Unit) – 250 kg
FA16K	16000 W	4xFA4K, CMD16K	50 - 120 - 139.5 cm (31U Rack Unit) – 280 kg
FA20K	20000 W	10xFA2K, CMD20K, D. Load	100 - 120 - 117 cm (2x26U Rack Unit) – 420 kg

- CMD series are Control Units especially designed for high power Fm amplifiers.
- Amplifiers systems built with FA2K's are combined with gysel combiner, FA4K's are combined with 3 dB couplers.

TV Product Range

DVB UHF TRANSMITTERS

DVB VHF TRANSMITTERS

ANALOG UHF TRANSMITTERS

ANALOG VHF TRANSMITTERS

UHF & VHF AMPLIFIERS

UHF & VHF PALLET AMPLIFIERS

TV Product Range

DVB UHF TRANSMITTERS – DUT SERIES

We have 1W, 5W, 20W, 60W, 125W, 250W, 500W, 1KW, 2KW products available

DVB VHF TRANSMITTERS – DVT SERIES

We have 1W, 5W, 20W, 60W, 125W, 250W, 500W, 1KW, 2KW products available

ANALOG UHF TRANSMITTERS – AUT SERIES

We have 5W, 20W, 50W, 100W, 200W, 500W, 1KW, 2KW, 4KW, 8KW products available

ANALOG VHF TRANSMITTERS – AVT SERIES

We have 5W, 20W, 50W, 100W, 200W, 500W, 1KW, 2KW , 4KW, 8KW products available

VHF AMPLIFIERS

We have 60W, 125W, 250W, 500W products available

UHF AMPLIFIERS

We have 60W, 125W, 250W, 500W products available

VHF PALLET AMPLIFIERS

We have 10W, 50W products available

UHF PALLET AMPLIFIERS

We have 1W, 90W, 500W products available

Antenna Product Range

P1 DIPOLE ANTENNA

P1R DIPOLE ANTENNA WITH REFLECTION PANEL

P3 YAGI ANTENNA

LOG FM/FP

VHF PANEL ANTENNA

UHF PANEL ANTENNA (2 OR 4 DIPOLE)

Microwave Links

DVL 10 SERIES

DIGITAL FM LINK

Studio Equipments

RDS Encoder

RDS Encoder + MPX

HYB-01 Telephone Hybrid

HYB-02 Telephone Hybrid

Broadcast Console

ONAIRCELL Fixed GSM Terminal

Miracle MPX

ON AIR Lamp

Power Splitters

Used to distribute transmitter power to antenna system
Up to 40KW input power
Available connectors are N, 7/16, 7/8, 1-5/8, 3-1/8, 4-1/8

SPF-2

2 ways FM Splitter

SPF-4

4 ways FM Splitter

SPF-6

6 ways FM Splitter

SPF-8

8 ways FM Splitter

Filters

FM FILTERS

1633

100W FM double cavity filter

20001-L

600W FM double cavity filter

20071

1.2KW FM double cavity filter

20011

2KW FM double cavity filter

20021

5KW FM double cavity filter

VHF/UHF FILTERS

P.N. 1463-4-N

500W VHF Notch Band Pass Filter

P.N. 1425

200 W UHF Notch Band-Pass Filter

P.N. 1448-4-N

500W VHF Notch Band Pass Filter

P.N. 1426

500W UHF Notch Band-Pass Filter

P.N. 1425

500W VHF Notch Band Pass Filter

P.N. 1604

5kW UHF 4 Poles Band Pass Filter with Cross Coupling

Combiners

FM COMBINERS

P.N. 20000-S4

4x250W FM Star
Point Combiner

20001-L-S2

2x500W FM Star
Point Combiner

20001-S4

4x500W FM Star
Point Combiner

20071-S4

4x1,2kW FM Star
Point Combiner

TV COMBINERS

P.N. 1445-3-S2

2x1kW UHF
Star
Combiner

P.N. 1423 D.P.

300+1700W UHF
Constant Impedance
Combiner

P.N. 1423-DP158

1+4kW UHF Constant
Impedance Combiner

P.N. 1604-4-DP

10+10kW UHF
Constant Impedance
Combiner

Connectors

N-MALE FOR RG213-RG214

N-MALE CONNECTOR FOR 1/2" CABLE

7/16 CONNECTOR FOR 1/2" CABLE

7/16 MALE FOR 7/8 CABLE

7/8 EIA CONNECTOR FOR 1/2" CABLE

7/8 EIA CONNECTOR FOR 7/8" FOAM CABLE

1-5/8 EIA CONNECTOR FOR 7/8" FOAM CABLE

1-5/8 EIA CONNECTOR FOR 1-5/8" FOAM CABLE

UPS & AVR

1kVA - 2kVA - 3kVA Uninterruptible Power Systems

6kVA - 10kVA Uninterruptible Power Systems

2-900 kVA Automatic Voltage Regulator

Receivers

DVB-S/S2 RECEIVERS

ETERNAL-D SATELLITE AUDIO RECEIVER+RS232

ETERNAL-R SATELLITE AUDIO RECEIVER+RDS

FM/AM RECEIVERS

COMPANION FM WARNING RECEIVER

SD-12 FM AUDIO AND DATA RECEIVER

DEVOTION FM MONITORING RECEIVER

ONAIR

ONAIR MEDYA KOMÜNİKASYON REKLAM VE YAYINCILIK HİZMETLERİ LTD.ŞTİ.
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