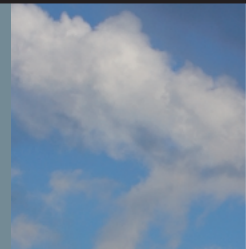




**PORTABLE
PA SYSTEM**

MOVE 100



MOVE WHERE YOU NEED AND PLAY WHATEVER YOU WANT

MOVE 100 systems are the fully portable RCF answer to the increasing demand of freedom in terms of “removing wired connections”, allowing you to get speech and music where AC mains is not available or where to lay AC and Mic cables could interfere/affect with the performance such as presentations, meetings and sport events.

Following the above mentioned RCF philosophy approach MOVE 100 models have built-in wireless microphone receivers: single-antenna VHF on MOVE 100-V or a more sophisticated UHF multi-channel diversity device on MOVE 100-U. Furthermore an integrated 16 channel UHF Diversity receiver allows you to work with up to 6 systems at the same time (TX 1600 or PX 1600 transmitter + MOVE 100-U receiving cabinet) set to different channels, simultaneously with no interference, ideal for meeting halls or outdoor multiple sport events.

Additional inputs are available for the connection of music sources, wired microphone or other line-level devices. Connection facilities include a Mic/Line input, switchable on Combined XLR-1/4” jack input for a wired microphone or a line-level source: the signal is mixed with the wireless microphone, coming from the built-in receiver; music source input is available on a RCA stereo connector.

A Microphone presence adjuster affects the microphone inputs.

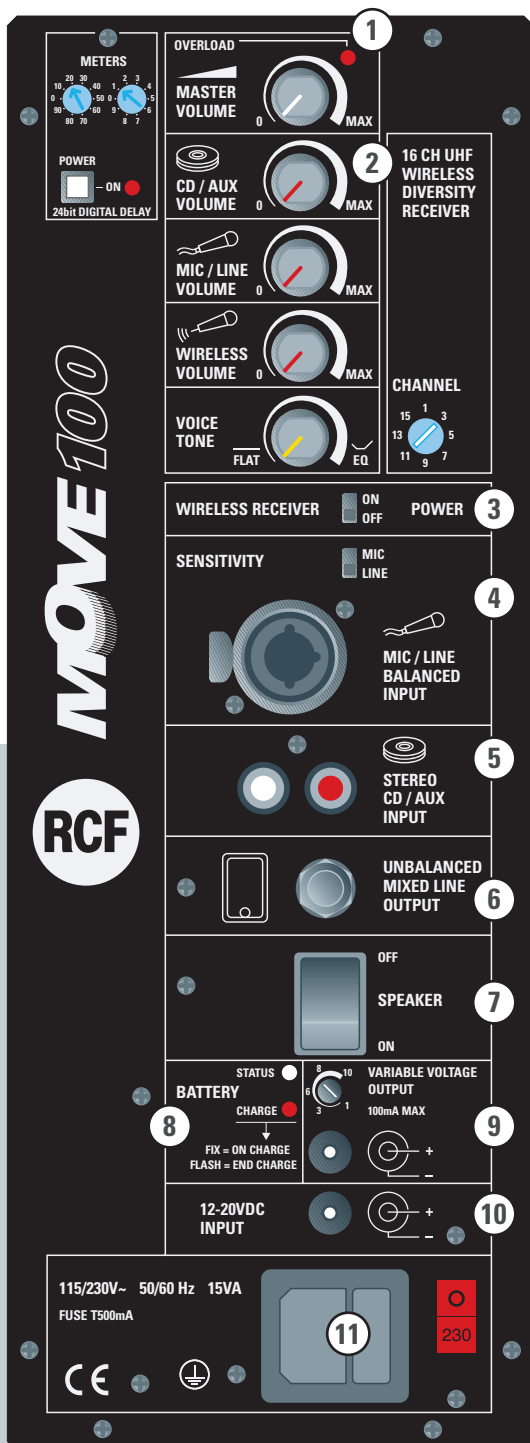
Moreover a mixed line output available on a 6,3 mm jack is ready for driving external systems with the MOVE 100 signal.

The weight is limited to just around 10 Kg, in addition to its handle, the robust transportation bag provided allows you to hand-carry the cabinet very easily and safely, storing also in its additional pockets a wireless transmitter, a CD player, a spare microphone, cables and accessories very conveniently.

Thanks to its dynamic soft clip limiter MOVE 100 always gives you maximum performance with undistorted sound quality, regardless of the situation.

The cabinet works with an integrated long-life 12V battery that can be easily recharged from the mains or from a 12VDC source (Car Cigarette Lighter Socket). The energy management system of MOVE 100 includes an auto-stand-by feature that automatically switches-off the amplifier when not in use for a certain time and quickly switches it on again without interruption. Due also to the high efficiency of the amplifier MOVE 100 allows you to enjoy complete usage for around 12 hours without AC mains.

The MOVE 100 acoustic performance is second to none. MOVE 100 is a 2 way bi-amplified active loudspeaker, fitted with two 8” long throw woofers and a 1” high frequency driver on a wave-guide. Biamp section achieves a max. SPL of 120 dB with 70+20 Watt power. The extended frequency response: 70-18,000 Hz with a cross-over point of 2,2 KHz with a 12 dB/octave cross-over slope gives you both accurate speech intelligibility and optimal music performance.



- ① MASTER VOLUME CONTROL AND ACTIVE LIMITER LED INDICATOR
- ② INPUT CONTROLS (from top):
 - AUX INPUT VOLUME (i.e. music source connected to MOVE 100)
 - MIC INPUTS GAIN AND TONE CONTROLS FOR WIRED AND WIRELESS DEVICES
 - CHANNEL SELECTOR FOR BUILT-IN UHF WIRELESS MICROPHONE RECEIVER (MOVE 100-U version only)
- ③ BUILT IN RECEIVER ON/OFF SWITCH
- ④ MIC/LINE INPUT SOCKET ON COMBINED XLR/6.35 mm JACK
- ⑤ STEREO AUX. INPUT FOR MUSIC SOURCE
- ⑥ UNBALANCED LINE OUTPUT
- ⑦ SPEAKER ON/OFF SWITCH
- ⑧ BATTERY STATUS CONTROL INDICATORS
- ⑨ VARIABLE (3-12V) DC OUTPUT SOCKET (i.e. to feed an external CD player)
- ⑩ 12V-DC INPUT (i.e. from car lighter)
- ⑪ 115/230 VAC INPUT & FUSE

THE MOVE FAMILY INCLUDES



Speaker carrying bag.

- **MOVE 100-V**, portable cabinet with built-in VHF receiver 174.500 MHz.
 - **MOVE TX-V**, hand-held VHF transmitter 174.500 MHz;
 - **MOVE PX-V**, pocket VHF transmitter 174.500 MHz
(to be completed with LA 1000, tie-pin microphone or HE 1002, headset microphone).
- **MOVE 100-U**, portable cabinet with built-in UHF 16 Ch. diversity receiver.
 - **TX 1600**, hand-held UHF transmitter, 16 Ch;
 - **PX 1600**, pocket UHF transmitter, 16 Ch
(to be completed with LA 1000, tie-pin microphone or HE 1002, headset microphone).



MOVE TX-V

Hand-held VHF transmitter 174.500 MHz



The TX-V handheld transmitter is equipped with a unidirectional electret capsule, mounted on a rubber suspension to limit possible handling noises.

- Suspended electret cardioid capsule
- Audio-mute switch
- Battery status LED

MOVE PX-V

VHF Pocket transmitter 174.500 MHz



The PX-V is a pocket belt-pack transmitter to be combined with the tie-pin microphone LA 1000 or headset microphone HE 1002.

- 3,5 mm, lockable mini-jack connector
- Phantom power 5V
- Audio-mute switch
- Input control
- Peak signal LED
- Battery status LED

MOVE TX 1600

Hand-held UHF transmitter 16 Ch.



The robust body of handheld transmitter is made of metal.

- Suspended electret cardioid capsule
- Digital pilot tone control
- Integrated antenna
- Single switch operation
- Battery status LED

MOVE PX 1600

UHF Pocket transmitter 16 Ch.



The PX 1600 is a pocket belt-pack transmitter to be combined with the tie-pin microphone LA 1000 or headset microphone HE 1002.

- Very compact design
- 3,5 mm, lockable mini-jack connector
- Phantom power 5V
- Input gain control
- Peak signal LED
- Battery status LED

LA 1000

Lavalier miniature microphone



Condenser tie-clip microphone ideal for lecturer's/presenter's, video and theatre applications. Especially suitable to work with MOVE PX-V and PX 1600 pocket transmitters.

- Condenser capsule with cardioid characteristic
- 30 - 20.000 Hz
- Inc. clamp and windshield included

HE 1002

Neck worn microphone



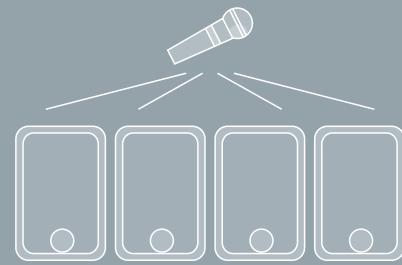
Ideal for presenter's or anywhere hands free operations is necessary. The condenser microphone offers superb vocal performance with comfort and stability. Especially suitable to work with MOVE PX-V and PX 1600 pocket transmitters.

- Condenser capsule with cardioid characteristic
- 50 - 17.000 Hz
- Inc. clamp and windshield included
- High gain before feedback

MOVE & PLAY

Maximum flexibility, easy to use with endless application possibilities.

The compact active MOVE 100 mobile loudspeaker cabinets include an integrated mixer and are available with a single frequency VHF or 16 channel Switchable UHF receiver built-in. MOVE 100 systems are powered by an integrated 12V sealed rechargeable battery. Thanks to the high efficiency of the amplifier designed with auto-sleep mode which allows from 8 to 12 hours typical working time, depending on the type of performance. The battery can be recharged directly through the mains (115/230 VAC) or by connecting the box to a suitable 12VDC car lighter socket. The integrated UHF diversity wireless receiver of the 1600 series with 16 Switchable frequencies guarantee the highest operating conditions and can be combined with either handheld or pocket transmitters with lavalier or headsets.



If you need several loudspeakers you can drive as many MOVE 100 as you like from only one transmitter, within the possible range of the transmitter, heavily dependent on the environment.

There are inputs for mics, CD player or laptop computer which are separately adjustable. For the voltage supply of a portable CD player, a power socket with adjustable voltage is available with choice of 3 to 12V. The transducers of the MOVE 100 guarantee high speech intelligibility with an accurate vocal performance and impressive sound with full frequency range. To use the loudspeaker stand, a 35mm standard flange is integrated within the housing.

TECHNICAL SPECIFICATION

TECHNICAL DETAILS	MOVE 100
TYPE OF AMPLIFIER	Bi-amp HF class AB; LF class H
POWER	70W LF + 20W HF
FREQUENCY RESPONSE	80-18.000 Hz
CROSSOVER	Ft 2200 Hz; TW 12 dB/oct; W 12 dB/oct
SOUND PRESSURE (SPL)	120 dB max
COMPONENT PARTS	2 x woofer 8"; 1 tweeter 1"
MIC/LINE INPUT SENSITIVITY	-40 dBu/0dBu (switch)
MIC/LINE IMPEDANCE (BALANCED)	1K Ω /30K Ω
MIC/LINE IMPEDANCE (UNBALANCED)	600 Ω /15K Ω
RCA INPUT SENSITIVITY	-10 dBuRCA
IMPEDANCE	47K Ω
LINE OUT OUTPUT LEVEL	0 dBu
DC CONNECTOR AT OUTPUT	From 3 to 12VDC - 100mA MAX
BATTERY RECHARGE FROM MAINS	See box plate (230/115 VAC)
BATTERY RECHARGE BY DC CONNECTOR	12-20 Vdc
RECHARGEABLE BATTERY	12V - 7,2 Ah
BATTERY LIFE	8-12 hours (depends on use)
DIMENSIONS (WXHXD)	312x550x290 mm
WEIGHT	12,1 Kg

TECHNICAL DETAILS	UHF RADIO MICROPHONE RECEIVER
TYPE OF RECEIVER	Diversity
NUMBER OF CHANNELS	16 channels
CHANNEL SELECTION	Rotating switch
AUDIO BAND WIDTH	35 Hz to 16 KHz -3dB
THD DISTORTION	<1%
SIGNAL/DISTURBANCE RATIO	115 dB
OPERATING FREQUENCIES	multi-channel; range 770-870 Mhz
BAND WIDTH	200 KHz FM
ANTENNAS	2 integrated

TECHNICAL DETAILS	VHF RADIO MICROPHONE RECEIVER
TYPE OF RECEIVER	Mono-frequency
AUDIO BAND WIDTH	40Hz to 15KHz
THD DISTORTION	<1%
SIGNAL/DISTURBANCE RATIO	>100 dB
OPERATING FREQUENCIES	VHF range, carrier frequency 174.500 Mhz
MODULATION	FM
ANTENNAS	1 integrated

SPECIFICATIONS	TX 1600	PX 1600
TYPE	UHF hand-held transmitter	Beltpack transmitter*
INPUT SENSITIVITY	-	50 mV \pm 5V
POWER SUPPLY	3V (2 x AAA alkaline)	9V (1 x 9V alkaline)
FREQUENCY RESPONSE	35 Hz \pm 16 KHz (-3 dB)	35 Hz \pm 16 KHz (-3 dB)
DISTORTION	< 1%	< 1%
SIGNAL/NOISE RATIO	> 105 dB nominal	> 105 dB nominal
CURRENT CONSUMPTION	70 mA	40 mA
WORKING FREQUENCIES	Multichannel, 770+870 MHz	Multichannel, 770+870 MHz
RF POWER OUTPUT	< 10 mW ERP	< 10 mW ERP
MODULATION	F3E (frequency modulation)	F3E (frequency modulation)
DEVIATION	35 kHz nom. @ 1 kHz sin.	35 kHz nom. @ 1 kHz sin.
COMPANDER	Squared	Squared
ANTENNA	Integrated	Integrated
WORKING TEMPERATURE	-10°C \pm +50°C	-10°C \pm +50°C
FREQUENCY STABILITY	3 kHz max.	3 kHz max.
INPUT LIMITER	Yes	Yes
CHANNEL SELECTOR	16 step/channel rotary switch	16 step/channel rotary switch
BATTERY CHECK	Yes	Yes
BATTERY DURATION TIME	> 10 hours	> 10 hours

SPECIFICATIONS	TX-V / PX-V
TYPE	VHF wireless transmitter
POWER SUPPLY	9V (1 alkaline battery 9V-IEC 6LR61)
CURRENT ABSORPTION	< 40 mA
FREQUENCY RESPONSE	40 Hz \pm 15 Hz (-3 dB)
DISTORTION	< 1% @ nominal deviation
SIGNAL/NOISE RATIO	> 100 dB (A)
CARRIER FREQUENCY	Range VHF, 173+240 MHz
EMITTED POWER	+10 dBm ERP
MODULATION TYPE	FM
NOMINAL DEVIATION	50 Hz min. @ 1 KHz sin.
COMPANDER	Squared
ANTENNA	Integrated
FREQUENCY STABILITY	10 kHz max. (-10°C \pm +50°C)
AUDIO INPUT CONNECTOR (PX1000)	Jack socket 3,5 mm with lock
AUDIO INPUT SENSITIVITY (PX1000)	50 mV \pm 5V RMS
BATTERY CHECK SYSTEM	Yes
BATTERY DURATION TIME	8 \pm 10 hour
WEIGHT	Ca. 220 g

* to be combined with LA 1000 tie-pin microphone or HE 1002 headset microphone available separately.

RCF SpA · Via Raffaello 13 · 42010 Reggio Emilia · Italy
tel. +39 0522 274411 · fax +39 0522 232428 · info@rcf.it · www.rcfaudio.com

France

RCF France Sales Office
tel. +33 06 07501800
e-mail: rcffrance@aol.com

Germany

Germany Sales Office
tel. +49 02203 925370
e-mail: germany@rcf.it

UK

RCF UK Installed Sound Division
tel. +44 (0)7005 402181
e-mail: info@rcfaudio.co.uk