



MATRIX

model: AF62

**STEREO BLUETOOTH
WIRELESS HEADPHONES
WITH BUILT-IN MICROPHONE**

part of the **AIR+FI** series

user manual

www.meelec.com

MATRIX

Thank you for your purchase of the
MEElectronics Air-Fi Matrix AF62
Stereo Bluetooth Wireless Headphones
with Microphone

AIR-FI

Please read this manual in its entirety.
If you have any issues after reading the manual
please contact
MEElectronics customer service at
customerservice@meelec.com
or (626) 965-1008 x31

 **MEE**TM brings musical enjoyment to everyone

TABLE OF CONTENTS

Package Contents	1
Warning	3
Safety and Care	4
Product Overview	5
Charging	6
Turning On and Off	7
Pairing with Bluetooth Devices	
iPhone, iPad, and iPod Touch	8
Android Phones and Tablets	9
Windows 7 Computers and Laptops	10
Other Phones Tablets and Devices	12
Connecting to Paired Devices	14
Multipoint Functionality	15
Controlling Volume	16
Controlling Phone Calls	17
Controlling Media Playback	18
Using as a Wired Headphone	19
Change Languages	20
Reset Factory Defaults	21
Status, Button Functions, Light Patterns, and Sounds	22
Specifications	25
Troubleshooting	26

Package Contents



MATRIX
Stereo
Bluetooth
Wireless
Headphones



Mini-USB
Charging
Cable



Audio
Cable



Form-fitting
Protective
Case



User
Manual

Note: An online version of this manual is available on meelec.com



Warning

Turn down the volume prior to using the headphones; adjust the volume to the desired level once they are connected. Do not use headphones at high volumes for extended periods of time as doing so will result in permanent hearing damage. It is advised you keep volume levels moderate to low at all times for your safety, even when loud background noise is present.

Please visit www.osha.gov for more info.

Do not use while driving a car, cycling, operating machinery, or performing other activities that require hearing surrounding sounds or are against local laws.

Product Overview

MATRIX

AF62 Stereo Bluetooth
Wireless Headphones



Left Ear Cup

- A microphone
- B LED indicator
- C power/call button ⬇
- D volume down V-
- E volume up V+
- F 3.5mm audio jack



Right Ear Cup

- G mini-USB port for charging
- H next track ►►
- I play/pause button ►/||
- J previous track ◀◀

Safety and Care

- a) When not in use, power the device off and store it in the included protective case.
- b) Clean with a soft, debris-free cloth. If necessary dampen the cloth with a diluted soap water solution. Never use chemical cleaners on the headphone. Leather conditioner and cleaner can be used on the ear pads.
- c) This headphone was not designed for use while driving.
- d) Do not use your wireless headset around flammable gases as fire or explosion may occur.
- e) Keep the device and packaging out of the reach of children.
- f) There are no user replaceable/reparable parts in the headset. Disassembling it will void your warranty.
- g) If the device comes in contact with liquids, quickly wipe away. If submersed in water, do not turn the device on until completely dried.
Note: liquid submersion voids the warranty.
- h) Avoid storage in extreme temperatures (45°C/113°F and above, including direct sunlight or -10°C/14°F below) as the service life of the battery will be decreased.

Reset Factory Defaults

Resetting the Matrix to factory defaults will erase all pairing information and set the language back to the default setting of English.

Follow the instructions below:

- a) Press and hold the Volume up v+ and Volume down v- buttons simultaneously for 4 seconds while the Matrix is turned on until the Matrix says "power on. Ready to pair. Please connect with phone or computer."
- b) The Matrix will continue to offer voice instructions until a device is paired.

For additional pairing instructions please see the paring section of this manual.

Turning On and Off

- a) To turn on, press and hold the Power/Call  button for approximately 3 seconds. The Matrix will say "power on" and the blue indicator light will flash once every second to show the power is on.
- b) To turn off, press and hold the Power/Call  button for approximately 2 seconds when not connected and 5 seconds when connected.

Pairing with Bluetooth Devices

*** It is only necessary to pair your Matrix once with each device ***

iPhone, iPad, and iPod Touch

- a) On your iPhone/iPad/iPod Touch, go to *Settings*
- b) Select *Bluetooth* (on devices with iOS 5.1.1 or older, *Bluetooth* is under the *General* menu)
- c) Make sure the Matrix is off and within 1 meter of your device
- d) On your iPhone/iPad/iPod Touch make sure *Bluetooth* is turned on
- e) Initiate pairing mode by pressing the Power/Call button for 6 seconds, until you hear "ready to pair."
(Note: the first time you use your Matrix it will automatically enter pairing mode when powered on.)

The Matrix will offer voice prompts to assist in pairing in a repeating cycle until it is either connected or powered off.

(Note: Pairing mode will be active for 5 minutes.

If no devices are paired within that time, the Matrix will return to standby mode.)

- f) Wait until you see "AF62" in the Devices section of the screen; it should show "Not Paired" as the status
- g) Select on "AF62" to pair and connect your iPhone/iPad/iPod Touch to the Matrix
- h) The Matrix will say "pairing completed" once pairing is complete. "AF62" should show "connected" on your device; the blue LED will be on continuously when connected

If pairing fails, please repeat steps c) through h) above

Pairing (Continued)

Android Phones and Tablets

- a) On your Android phone or tablet, navigate to the *Settings* menu
- b) Select *Wireless & Networks*
- c) Make sure the Matrix is off and within 1 meter of your device
- d) Make sure *Bluetooth* is enabled on your device
- e) Initiate pairing mode by pressing the Power/Call button for 6 seconds, until you hear "ready to pair."
(Note: The first time you use your Matrix it will automatically enter pairing mode when powered on.)

The Matrix will offer voice prompts to assist in pairing in a repeating cycle until it is either connected or powered off.

(Note: Pairing mode will be active for 5 minutes. If no devices are paired within that time, the Matrix will return to standby mode.)

- f) Select *Bluetooth Settings*
- g) "AF62" should appear under devices; If it is not automatically found, select *Scan for devices*. Once it has been found, select "AF62" in the list of Bluetooth devices to pair and connect
- h) The Matrix will say "pairing completed" once pairing is complete. "AF62" should show "connected" on your device; the blue LED will be on continuously when connected

If pairing fails, please repeat steps c) through h) above

Controlling Phone Calls (Cont.)

Additional Functionality: Multipoint - Two Phones Connected

Note: The Matrix supports a maximum of 2 simultaneous phone calls.
Answering an additional call will hang up the active call.

Status	Function	Operation
One call active, incoming call from another phone	Answer new call and end current call	Single press the Power/call  button
	Answer new call and place the current call on hold	Press and hold the Power/call  button for 2 seconds. There will be a single tone to indicate the call has been answered.
	Reject incoming call	Press and hold the Power/call  button for 3 seconds (1 second after the single tone).
	Switch to call on hold	Press and hold the Power/call  button for 2 seconds. There will be a single tone to indicate the calls have been switched.
	End current call and switch to call on hold	Single press the Power/call  button

Controlling Media Playback

Go to the music player on the connected device.

Status	Function	Operation
No media playing ¹	Play media	Press the Play/Pause  /  button
Media playing	Pause media playback	Press the Play/Pause  /  button
Either media playing or stopped	Skip to next track	Press the Next  button
	Restart the track/previous track	Press the Previous  button

¹ You may need to focus on the media player application for initial playback to start

Notes:

- If you answer or make a call while listening to media, the music will pause until you end the call
- Volume is controlled both on the Matrix and the attached device
- When two devices are connected, media playback is supported for the device that was connected first

Using as a Wired Headphone

The Matrix comes with a 3.5mm audio jack on the back of the left ear cup and an audio cable for wired use. This is convenient for use where Bluetooth isn't allowed, such as on an airplane, when the battery is depleted, or just to save battery power. It is also useful if you want to listen to media from a different device that doesn't have Bluetooth or isn't paired.

Connect one side of the audio cable to the Matrix and the other side to a 3.5mm headphone jack on the device.

Using wired audio and Bluetooth simultaneously:

The Matrix can be used to listen to wired audio while retaining a wireless connection with another device such as a phone.

When listening to wired audio and there is an incoming Bluetooth audio transmissions, such as an incoming phone call or media playback, the wired audio will partially mute in the left channel and completely mute in the right channel to allow for Bluetooth priority. Approximately 15 seconds after the last Bluetooth transmission has ended, the wired audio will resume.

Change Languages

The Matrix comes with 5 languages for voice prompts including English, which is the default, Chinese (Mandarin), Spanish, French, and German.

Follow the instructions below to enter the language selection menu.

- a) Press and hold the Volume Up v+ and Volume Down v- buttons simultaneously for 1-2 seconds while powering on the Matrix to enter the language menu.
- b) The Matrix will say "Power on. Ready to pair. This device supports multiple languages. Press Power/Call ⌂ button to confirm English."

There will be prompts for additional languages as follows:
English, Chinese, Spanish, French, German.

- c) To select a language, single press the Power/Call ⌂ button when the Matrix is speaking that language. The Matrix will cycle through the languages continuously until one is selected.

Charging

*** You must completely charge the headset before the first use ***

- a) Connect a mini USB charging cable to a powered USB source such as a wall charger, powered on computer, USB hub connected to a powered on computer, or car USB port.
- b) While not required, it is recommended to turn the Matrix off before charging. See note below.
- c) Connect the charging cable to the mini USB jack on the right ear cup.
- d) The bright red LED indicator should light solid and stay on while charging. Charge time is typically between 3-6 hours for the first charge and 2-3 hours for subsequent charges depending on the charging power.
- e) When the battery is fully charged the bright red LED indicator will turn off.

Note: Bluetooth can be active when the unit is charging; however, depending on the power output of the charger, charging may be very slow. The Matrix will work in wired mode via the audio jack while charging.



iDevices such as the iPhone, iPad, and iPod Touch will display a battery indicator when the Matrix is connected.

Status, Button Functions, Light Patterns, and Sounds

Charging

Status	LED Indicator
Charging	Red LED on
Charging complete	Red LED off

Status Indicators and Button Functions

Status	Button Functions	LED Indicator	Sounds
Turn on	Press and hold the Power/Call button for 3 seconds	Blue LED will flash for 2 seconds	Matrix will say "power on" (the first time you turn the Matrix on it will say "power on, thank you for buying this headset")
Turn off	Press and hold the Power/Call button for 4 seconds	Red LED flash four times	Matrix will say "power off"
Turning on pairing mode	When off, press and hold Power/Call button for 5 seconds	Blue LED will blink once per second	Matrix will say "ready to pair"
In pairing mode	N/A	Blue LED will blink once per second	Matrix will repeat the following pairing instructions until paired or until pairing mode is timed out in 5 minutes. "please connect with phone or computer," "go to phone or computer Bluetooth menu," "turn on Bluetooth; pin code is 0000."
Paired with device	N/A	N/A	Matrix will say "pairing complete" and will immediately connect
Turned on but not connected to any device	N/A	Blue LED will blink once per second	Two quick tones one second after "power on" message

Status, Button Functions, Light Patterns, and Sounds (Cont.)

Status Indicators and Button Functions

Status	Button Functions	LED Indicator	Sounds
Connected with a device	Matrix should automatically connect; if not single press the Power/Call  button	Blue LED will flash twice every 5 seconds	Matrix will say "phone 1 connected" ^a
While connected with a device	N/A	Blue LED lit solid	N/A
Disconnected from a device	N/A	The blue LED will change from solid to flashing every second if no devices are connected	Matrix will say "phone 1 disconnected"
Increase Volume	Single press or press and hold the Volume up  button	N/A	The Matrix will beep with each volume level adjustment and say "volume highest" when maximum volume has been reached
Decrease Volume	Single press or press and hold the Volume down  button	N/A	The Matrix will beep with each volume level adjustment and say "volume lowest" when minimum volume has been reached
Play or pause media	Single press the  Play/Pause button	N/A	N/A
Skip to next track	Press Next button 	N/A	N/A
Restart track or skip to previous track	Press Previous button 	N/A	N/A

^a Matrix will say either "phone 1" or "phone 2" depending on which device the operation is taking place on

Status, Button Functions, Light Patterns, and Sounds (Cont.)

Status Indicators and Button Functions (Cont.)

Status	Button Functions	LED Indicator	Sounds
Incoming call	N/A	Red LED will flash every second; blue LED will remain solid	Matrix will say "incoming call phone 1 ^a "
Answer incoming call	Single press the Power/Call 	N/A	Matrix will say "call active phone 1 ^a "
Reject incoming call	Press and hold the Power/Call 	N/A	Matrix will say "call terminated phone 1 ^a "
Call in progress, answer incoming call and hang up current call	Single press the Power/Call 	N/A	Matrix will say "call terminated phone 1 ^a " and then "call active phone 1 ^a "
End call	Single press the Power/Call 	N/A	Matrix will say "call terminated phone 1 ^a "
Redial last phone number	Single press the Power/Call 	Red and blue LEDs flash every second	Matrix will say "call active phone 1 ^a " when call is connected
Low battery	N/A	Red LED flashes for 15 seconds	Short beep every 25 seconds

^a Matrix will say either "phone 1" or "phone 2" depending on which device the operation is taking place on

Specifications

Microphone Specifications	
Microphone Unit	6.5mm
Directivity	omnidirectional
S.P.L	-58±2dB
Impedance	≤2.2KΩ
Frequency Response	10Hz-20,000Hz
Operating Voltage	4.5V
Speaker Specifications	
Speaker diameter	40mm
Impedance	64Ω
Sensitivity	103±3dB at 1KHZ
Rated power	20mW
Maximum power	50mW
Frequency response	15Hz-20,000Hz
Power Specifications	
Battery type	Built-in 400mAh Lithium-polymer rechargeable battery
Charging connector type	Mini-USB
Run time	Up to 18 hours of talk or music playback time
Standby time	Up to 250 hours
Charging time	2 – 3 hours
Operating Conditions	
Operating temperature	-10 °C to 45 °C
Storage temperature	-25 °C to 60 °C

Troubleshooting

Issue	Resolution
Crackling noise, static, interference	Make sure you are within range of your Bluetooth-enabled device
No sound or low volume	Adjust the volume on your headset and device as both control the sound
Not charging	If using a wall charger, make sure it is plugged in to a powered outlet. If using a computer, make sure the computer is on and the USB port has power. If you are using a car USB port, make sure the car is on.
Won't pair	Make sure the Matrix is in pairing mode as indicated by red and blue LEDs flashing in an alternating manner
Won't connect	Make sure your Matrix is powered on, Bluetooth is enabled on your device, and it is within range. Make sure your device is not connected to any other Bluetooth headset. Make sure the Matrix is not connected to another device (two devices with Multipoint enabled). If connecting still fails, power off your Matrix and turn it back on. If problems persist, delete the device "AF62" and pair the Matrix again.
Won't control calls/media players	The Matrix headset is compatible with many Bluetooth versions, however not all versions of Bluetooth support these functions, and functionality is dependent upon the operating system of the device. Some functions, such as "Rejecting a call", "Redialing" or "Voice dialing" are only available if supported by your mobile phone. Please check the device manual for further information.
The tones and voice prompts are too quiet	Increase the volume on the Matrix and adjust the volume on your device to achieve the desired volume level. The tone and voice prompt volume levels will not change when adjusting the volume when a call is in progress.
The tones and voice prompts are too loud	Decrease the volume on the Matrix and adjust the volume on your device to achieve the desired volume level. The tone and voice prompt volume levels will not change when adjusting the volume when a call is in progress.
Won't turn on or turns on and then off	Charge your Matrix
The light is blinking red and there is a tone every 25 seconds	Charge your Matrix