

SCOOPFONE



AUDIO SYSTEMS®

superior sound since 1978

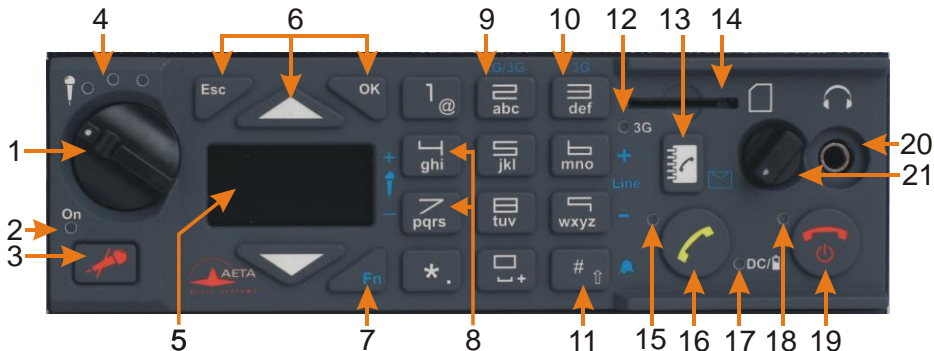
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Getting started

Specifications are subject to change without notice

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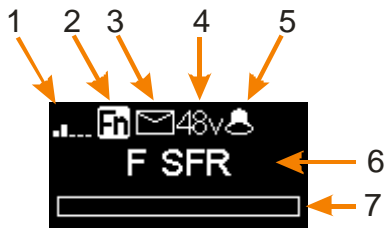
Front panel & controls



1. Level control: This potentiometer controls the microphone level.
2. Mute indicator: The LED turns red when the microphone input is enabled.
3. Mic button : To enable/disable microphone input
4. Microphone level status: The microphone has a 3 segment indicator (Over -20dBFS / -12dBFS / -3dBFS).
5. OLED Screen
6. Navigation keys: Use the **Esc** key to access the configuration menu. Use the **Up** and **Down** keys to navigate between choices and use the **OK** key to validate menu choices or messages.
7. Function key: Used in combination with other keys, it gives access to functions marked in blue. It is active for 5 seconds. This key is called **Fn** hereafter.

8. Microphone gain: When **Fn** is enabled, use key **4** to increase and key **7** to decrease gain of the microphone.
9. Network auto: When **Fn** is enabled, use this key to select the automatic network selection (2G & 3G).
10. Network 3G: When **Fn** is enabled, use this key to force the 3G network (See §: To get HD).
11. Buzzer shortcut: When **Fn** is enabled, use this key to enable or disable the buzzer.
12. Network indicator: The LED turns blue when 3G network is reached.
13. Book key: Press **Book** key to access one of 9 memories or to save current phone number into a memory. Or access to your SMS with in **Fn** mode
14. SIM Card slot
15. Communication indicator:
The LED turns green when the communication is established.
16. Call key: Use the **Green phone** key to initiate a call.
17. Power indicator: The LED turns red when the battery is charging from an external power supply and green when it is fully charged.
18. Alarm indicator: The LED turns red when an alarm occurs (PIN request, SIM missing, no network...). Details of the alarm are shown on the display.
19. Hang up key: Press the **Red phone** key to release a connection. Holding it for 2 seconds to start the ScoopFone
20. Headphone socket: 3.5mm stereo jack.
21. Headphone level: Handles the level of the headphone connected on the ScoopFone.

OLED Screen



1. Network level indicator: 5 levels.
2. Function key indicator: flashing when blue functions are enabled by the **Fn** key.
3. SMS reception indicator: stay displayed until all the new SMS are read, using **Fn** and **Book** keys.
4. Microphone power indicator: 48V phantom.
5. Buzzer indicator
6. Mobile network operator name
7. Transmit audio level: From -30 dBFS to 0 dBFS.

INTRODUCTION

We advise you to read this quick guide to start using the ScoopFone in a very short time. For more detailed information on each step, do not hesitate to consult the full user manual on our web site:

www.aeta-audio.com

The easy-to-use ScoopFone is designed for the needs of journalists. The 7 kHz wideband sound quality allows the full signature character of the reporter's voice to be heard, leading to greater audience involvement and loyalty

In this guide, we assume most of the main basics are known and that you already have a microphone and a headphone connected.

SETTING IT UP

Powering

Before switching on the ScoopFone, you need to have an external DC power connected on the DC jack.

External power supply

You can use an external power DC. ScoopFone needs 12V DC but is able to work with voltage from 10 to 16V / 1A minimum.

Connector: XLR4 (pin 1:-, 4:+)

Antenna

The ScoopFone uses SMA bulkhead female connectors. You must connect one antenna on the rear panel.

SIM card

To establish communication, you should have a SIM card from a telecom operator. ScoopFone supports standard SIM size, use a card adaptor to support micro SIM Card (Contact your dealer for more details).

To insert the SIM card into the slot, follow the orientation on the front panel (downward contact, insert the mitred corner facing forward). As the SIM card holder is a push-push holder, you should push the SIM card to extract it.

SET A CALL

Switching ScoopFone on /off

To switch ScoopFone on, press 2 seconds.



To turn it off, press key 2s, a confirmation message will be displayed. Press **OK** to switch off or **ESC** to cancel.



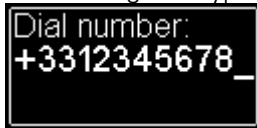
Enter your PIN code




If the PIN code is enabled on your SIM CARD, you should enter it and validate with **OK**.

Set a call


Enter directly your phone number with the digital keypad.




Press the **0** key twice to have the international **+** symbol.
Press **UP** or **DOWN** to erase last digit.

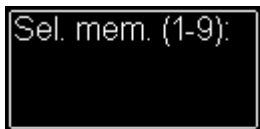
Press  key to launch the call.

Or

Press  key to save this number into one of the 9 memories.

Set a call with a memory

Press  key and enter the number of requested memory from 1 to 9.




The number appears and you can establish the communication with the



key

Or

- Cancel by **ESC** / 
- Modify the phone number by pressing **UP** or **DOWN**

Redial



Press the key twice to redial the last phone number

Adjust your microphone/line level

Turn ON the mute LED indicator with



the mute key

Set the Level control (1), on middle position, white dot of the button in topmost position.

Make a test with your microphone.

If the level is too high or too low on the display and LED bargraph, enable **Fn** mode and press the key **4** to increase or the key **7** to decrease the gain of the microphone until you get the right level.

Hang up



Press twice to hang up.

To get HD Voice

To get a HD Voice connection, some conditions are requested:

- Both devices in the connection must support HD voice
- Support of HD voice by your mobile operator's network
- Very often, only the 3G network supports HD voice. This depends on the country or area, and the operator.

For this last reason, having a connection on 3G can be a condition to get HD Voice. In this case, the 3G LED is a useful indication that HD Voice is possible. In addition, it is possible to force operator on 3G mode: enable **Fn** mode and press key **3**.


To restore the automatic network selection, enable **Fn** mode and press key **2**.

How to turn on/off the buzzer

Enable **Fn** mode and press **#** key to change the buzzer state.

When the buzzer is off, the buzzer icon on the display is stroked.

SMS management

Enable **Fn** mode and press  key to show the list of received SMS. If you have many, press **OK** to read the selected SMS. Press **Esc** key to keep it, otherwise **OK** to delete it.

MENU



Line output level adjustment

You can select maximum output level from -9dBu to +21dBu



Microphone phantom power

You can enable 48Volts phantom power



Microphone/line button

You have 3 functions available :

- Flip-flop : change the input state between enabled and disabled
- Push to talk : The key should be keep pressed to enable the input
- Cough key : The key should be keep pressed to disable the input



Echo cancel
You can enable a local echo cancellation



Noise Gate configuration
You can enable noise suppression on the mixed signal



Audio Balance between Send and Receive
Available settings: Rx only, Rx +1/3Tx, Rx+Tx Rx = Reception from the network Tx = Transmission to the network



Automatic or Manual answer
You can specify the number of RINGs before automatically answering or set it to manual answer.



Display brightness adjustment
You have 3 levels of adjustment for the brightness : Low, Normal, High

Menu for the contact version



Function contact 1

Contact 1 can be used to set a call with the memory 1



Function contact 2

Contact 2 can be used to set a call with the memory 2, to mute the microphone or to force in 3G only.



Function relay 1

Relay 1 can show the connection state :
Close = Connected, Open = Hang-up
In call state a flick state follow the call in progress



Function relay 2

Relay 2 can show the state of :
Alarm, Ring, 3G

Rear side panel – Ethernet version

Line OUT: 3 pins XLR balanced output. Level adjustment via **Menu**

DC Power: XLR 4 for external additional DC power 10 - 16 V. Can also be used for connecting an AC/DC adaptor

Ethernet: RJ45 10/100Mbps/s



Mic/Line IN: balanced analog adjustable gain from 0 to 48 dB by 16dB steps. Max acceptable level: +19 dBu, +48V powering available.

USB A: USB1.1 Interface for firmware updates and import phone book

Main Antenna: SMA connector to connect the antenna

Rear side panel – Contact version






SUBD9 GPIO :

	Pin	Pin
Contact 1	2	6
Contact 2	7	Ground
Relais 1	4	8
Relais 2	5	9
Power +5V	1	
Ground	3	

GPIO: SubD 9pins with 2 relais, 2 contacts and power.

Web interface – Version ScoopFone Ethernet





STATUS


CONNECTIONS

REMOTE PROFILES

NETWORK

AUDIO

MAINTENANCE

 Refresh All

GENERAL

Current Network: Mobile (Int.)
Coding: Cellphone
SMS: On

CONNECTION STATE

Status: Released
Cause: user

ETHERNET

Mode: DHCP
IP Address: 10.0.20.22
Subnet Mask: 255.255.255.0
Gateway: 10.0.20.254
DNS Server 1: 10.0.20.3
DNS Server 2:
Link Mode: 100baseT-FD

MOBILE (INT.)

Mode: Cellphone
Network: F SFR
Mobile network type: UMTS
Signal strength: -85 dBm

0 dB

-6 dB

-12 dB

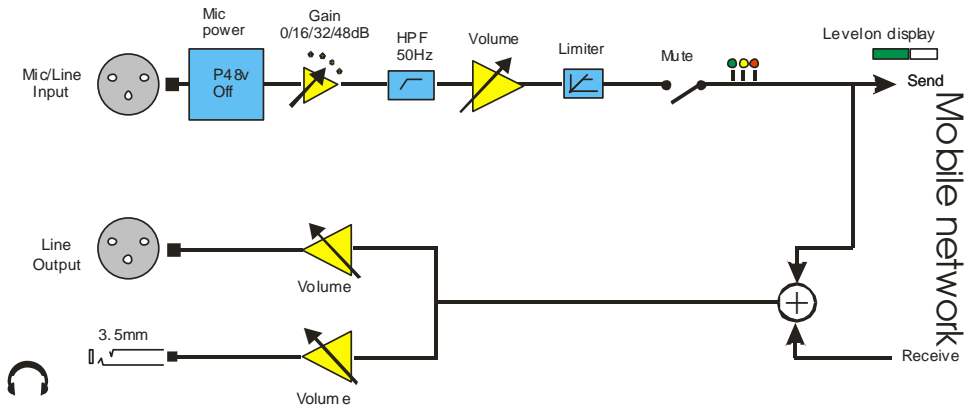
-18 dB

-24 dB

-30 dB

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Note



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