

# EasyLink+

## Technical Data



### EasyLink+ features

- Dynamic FM
- SoftLanding technology
- Audio input for wireless TV and audio enjoyment
- Fast-charging battery
- GPS mode

### Product description

- A** On/Off button
  - Microphone default setting
    - Zoom microphone setting (Configurable with Phonak's FM SuccessWare)
- B** High quality microphone array
- C** Advanced signal processing:
  - Dynamic FM
  - SoftLanding technology
  - High resolution multi-channel noise cancellation
- D** Lavalier cord with antenna
  - For operating ranges up to 50 feet (15 meters) indoors, and 170 feet (50 meters) outdoors
- E** Retention clip
- F** Easy to read LCD display

Attachable interface with connections for:

- G** 3.5 mm socket for external audio sources (e.g. TV)
- H** mini-USB socket for power supply and programming cable
- I** 2.5 mm socket external microphone (MM8 and iBoom)

### Relevant internet pages

Your online comprehensive FM support tool for schools  
[www.eSchoolDesk.com](http://www.eSchoolDesk.com)


Latest set-up tips for FM systems in combination with hearing instruments and Cochlear implants.  
[www.phonak.com/FM\\_Configurator](http://www.phonak.com/FM_Configurator)

Your online FM knowledge base  
[www.FMELibrary.com](http://www.FMELibrary.com)

Your online FM counseling support tool  
[www.FMCounselWare.com](http://www.FMCounselWare.com)

**EasyLink+** is a super-simple wireless microphone with just one button for On/Off switching. Like SmartLink+ and ZoomLink+ it runs on the Dynamic FM platform, the new global FM standard. Hearing care professionals can reprogram its exact microphone behavior to meet the exact needs of the listener, without challenging the user with too many choices.

### Zoom (On/Off button)

 EasyLink+ features only one button – the On/Off button – and its default microphone setting is Zoom mode. This is exactly the same mode as that enabled by pressing the middle button on the SmartLink+ or ZoomLink+. This standard setting can be changed using Phonak's FM SuccessWare.



## General data

Type:	Dynamic FM transmitter
Dimensions:	L x W x H: 98 x 35 x 18mm (3.8 x 1.4 x 0.7 inches) (without interface and lavalier cord)
Weight:	56 g
Operating temperature range:	-10°C to +60°C
Humidity:	20–75%

## HF characteristics

Frequency range:	169.4 – 176 MHz (Band HA) 214.0 – 220.0 MHz (Band NB)
Frequency switching:	Integrated digital frequency synthesizer, max. 40 programmable channels
Frequency stability:	Better than $\pm 1$ kHz
Modulation:	FM (narrow-band), maximum frequency deviation $\Delta f_{dev} < 6$ kHz
Antenna:	Lavalier cord antenna for maximum operating range (up to 170feet/ 50m)
Signal-to-noise ratio:	$> 45$ dB at $\Delta f_{dev} \geq 4$ kHz and $f_{mod} = 1$ kHz (microphone setting: Omni)

EasyLink+ combined with ML9i, ML10i, ML11i, ML12i, MLxi or any other Dynamic FM receiver from Phonak leads to a significantly higher signal to noise ratio.

## Audio characteristics

Audio frequency range:	100–6000 Hz
Microphone sensitivity:	97 dB SPL at $f_{mod} = 1$ kHz for $\Delta f_{dev} = 4.0$ kHz (100% modulation) 70 dB SPL at $f_{mod} = 1$ kHz for $\Delta f_{dev} = 3.0$ kHz
Distortion:	THD $< 0.2\%$ at 70 dB SPL (Omni mode) with $f_{mod} = 1$ kHz for $\Delta f_{dev} = 3.0$ kHz

## Battery

Type:	Lithium Polymer 3.7 VDC
Dimensions:	Length: 37 mm Width: 27 mm Height: 6 mm
Capacity:	525 mAh
Operating time:	10 hours
Charging temperature range:	-10°C – +45°C
Charging time with charger:	100% in 2 hours, 80% in 1 hour

## Power supply

Type:	Dedicated EasyLink+ charger
Connector:	mini-USB
Secondary voltage:	5.0 VDC
Current (min.):	500 mA
Important notice:	It is recommended to use only the original Phonak charging unit.
Fast-charge:	80% charged within an hour Fully charged in two hours The battery cannot be over-charged The adapter may become warm during charging.

## Built-in remote control for Phonak hearing instruments

(only for automatic HI Program Setting at EasyLink+ ON/OFF switching)

Frequency:	40.96 kHz
Modulation:	CPFSK
Operating range:	$< 50$ cm

## Standards

Radiocom:	EN 300.422-1,-2 EN 300.330-1,-2 EN 300.328 CFR 47, part 95, part 15C
EMC:	EN 301.489-3, -9, 17
Electric Safety:	EN 60950-1

## Dynamic FM System data

Adaptive FM Advantage (AFMA), Ambient noise level  $\geq 73$  dB SPL

Dynamic FM advantage over hearing instrument:	25 dB
Dynamic FM advantage over traditional FM system:	15 dB
Wireless sub-audio data-link:	Frequency range: Above the audio band
Operating range:	As FM operating range

Zoom

