

Quiet.

Unheard of in wireless audio.

Yet ONWAVE™ combines advanced digital audio processing with the exceptional spectral purity of Direct Digital Synthesis.

Easier installation. Less noise. Fewer call-backs.

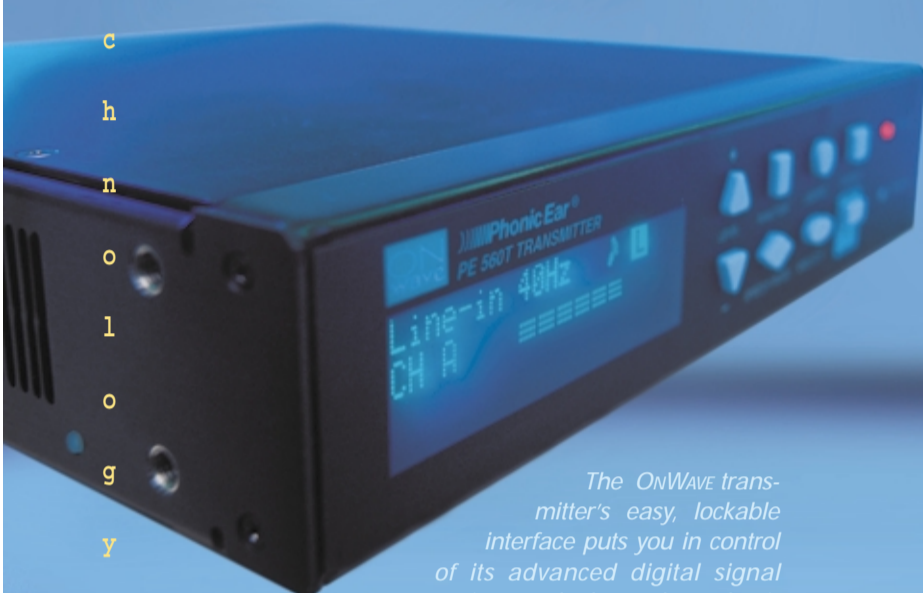
And so affordable, you'd think we'd make more noise about it.



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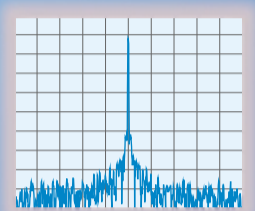
The field-tunable ONWAVE receiver offers excellent wide-band frequency response, greater than 60dB signal-to-noise ratio and a flashing red low battery indicator light

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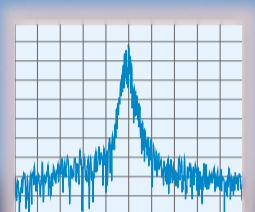


The ONWAVE transmitter's easy, lockable interface puts you in control of its advanced digital signal processing and channel synthesis

Other systems may be digitally tunable, but they still introduce noise because they create an analog FM signal. Compare the hiss of a traditional phase-lock loop device (bottom) with the purity of the new ONWAVE system (top). Creating the FM signal in the digital realm with DDS gives this new wireless product a remarkably clear signal.

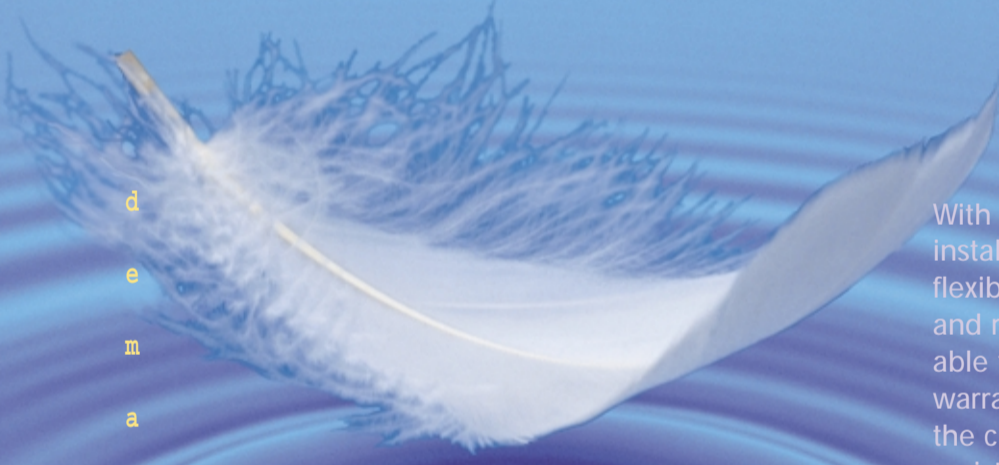


OnWave Direct Digital Synthesis



digitally tunable phase-lock loop

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With its quick installation, flexibility, and remarkable three-year warranty, ONWAVE is the choice for hearing assistance and audio description in houses of worship, stadiums, live theatres, and other large installations.



And because it's priced very competitively, ONWAVE is the sound pro's choice for building market share.



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Learn more about OnWave now!

Quickly and conveniently experience our entire OnWave program and more at [www.phonicear.com](http://www.phonicear.com).

- Technical and bid specifications
- Free 45-day evaluations
- Marketing materials
- Information about enhanced listening
- Information on other wireless products
- ADA compliance information



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transmitter: PE 560T

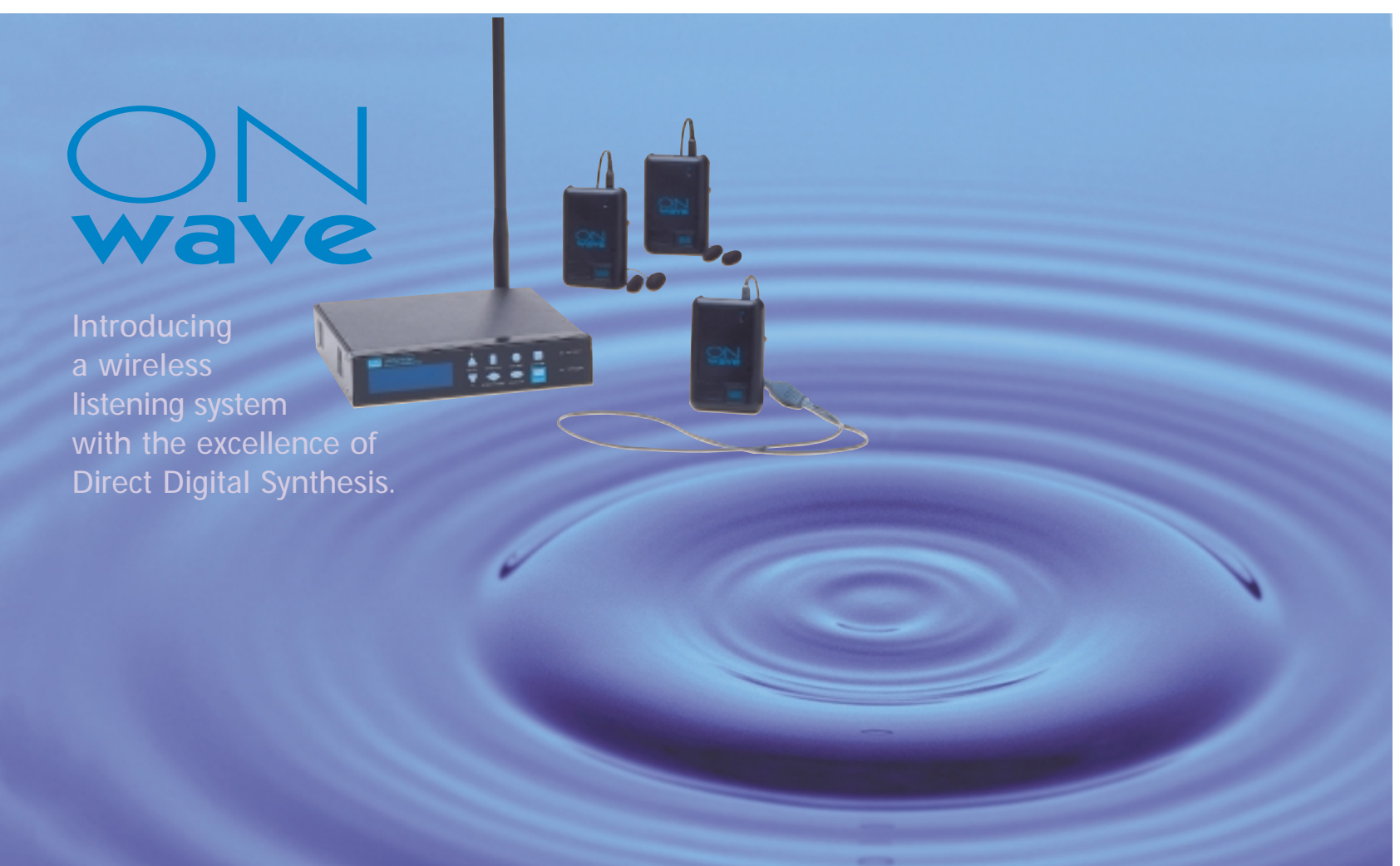
transmitting frequency	72MHz to 76MHz (U.S./Canada)
channels	10 WB, 40 NB selectable
frequency stability	< .001%kHz 0° to 50° C
transmission range	100m/300ft (standard antenna)
	300m/1,000ft (large area antenna)
RF field strength	80mV/m at 3m
modulation	FM wideband and FM narrow-band
user selectable	
frequency response	Speech or music setting/4 bass cut options - call for complete product specifications
signal-to-noise ratio	< 65dB (WB), > 55dB (NB)
THD	≤ .1% at nominal deviation
nominal deviation	± 20kHz (WB) ± 3.6kHz (NB)
power input	16VAC < 1 amp 28 watts
input connections	Power jack: 2.1mm Line input: Universal XLR jack + 1/4in Mic input: Universal XLR jack speaker input
input protection	2 amp slow blow fuse
current drain	500mA maximum
antenna output	LH-TNC jack
ground plane	LH-TNC jack
max cable length	30m/100ft with RG58/U cable
case	Anodized black

narrow-band receiver:  
PE 506R

receiving frequency	72MHz to 76MHz (U.S./Canada)
modulation	FM narrow-band
user controls	Off/on/volume
inputs / outputs	Accessory output jack
battery life	60Hr (AA alkaline)
nominal volume setting	20Hr (AA NiCad)
case	ABS plastic
SSPL 90 earbuds	122dB
SSPL 90 transducer	137dB
SSPL headset	120dB

wide-band receiver:  
PE 500R

receiving frequency	72MHz to 76MHz (U.S./Canada)
modulation	FM wide-band
user controls	Off/on/volume; tuning screw
inputs / outputs	Accessory output jack; charge jack
battery life	60Hr (AA alkaline)
nominal volume setting	30Hr (AA NiCad)
case	ABS Cyclac plastic, black
signal to noise ratio	60dB
frequency response	60Hz to 8kHz ± 3dB
THD	< 1%
SSPL 90 earbuds	121dB
SSPL 90 transducer	131dB
SSPL headset	116dB



**ON wave**

Introducing a wireless listening system with the excellence of Direct Digital Synthesis.

**Phonic Ear®**

phonic ear, inc.  
3880 cypress drive  
petaluma, ca 94954

PRE-SORTED  
STANDARD  
U.S. POSTAGE  
**PAID**  
GMS

address service requested

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