



**To Customer:**

Customer	All Customers
Customer Contact	

**Minor Change  
PRODUCT / PROCESS CHANGE NOTIFICATION**

**PCN data:**

PCN number	20190001
PCN issue date	07-January-2019
Related PCN	-

**Publisher information:**

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**Affected products:**

<i>Ordering Part Number</i>	<i>New Ordering Part Number</i>
<i>SC14WAMDECT SF01T</i>	<i>No change</i>

**Reason for change:**

When using the SC14WAMDECT SF01 version in the PA mode with two microphones, it is possible with certain audio input signals, that a crackling noise is being heard.

##When using two microphones, the CELT decoding time was exceeding the allowed time per channel.

##This caused the play buffer to skip samples.



**Description of change:**

Change of device Software:

##In order to decrease the decode time, the Interrupt handler was optimized as well as using the latest DSP compiler (version 11R1.0 i.s.o. 09R1.5)

**Impact on the changed product(s):**

For customers using only 1 microphone, there is no impact  
For customers using 2 microphones, the described issue will be solved using the updated Firmware (FW).

For customers using the Tour Guide Mode, there is also no impact, as this part of the FW was not affected.

**Qualification plan:**

No electrical, functional or package qualification is needed.

**Qualification report:**

N.A.

**Logistic consequences:**

New material will be made available under the same order number and the same marking number on the can.

Material with updated FW will be seamlessly phased in.

**Identification of changed product(s):**

There is no change in marking.



**Estimated date of implementation:**

Implementation date	26-January-2019
Deliveries after the implementation date will contain material with updated FW	

**Customer feedback date:**

Customer feedback date before	
No feedback required, for information only.	

**Availability of samples:**

Samples will be available on request.
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**Remarks:**

Please inform your affiliated companies that might be impacted by this change.
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**Signatures:**

Dialog Semiconductor B.V.	
Date	04-January-2019
Name	At Snijder
Title	Sr. Customer Quality Engineer
Signature:	