



## DSDS Dialer

Version 0.3

Feb, 8

Most recent spec available at – [\[link to folder in mozilla.box.com\]](#)

[\[insert bug # and title\]](#)

Questions? Email the author or [\\_\\_\\_\\_\\_](#)

# Content

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p.6–8	Bug#947130	[DSDS][Dialer] Incoming call notification
p.9–12	Bug#946874	[DSDS][Dialer] Display receiving SIM on call screen
p.13	Bug#947131	[DSDS][Dialer][Call log] Call Log shows which SIM was involved in call
p.16–21	Bug#946866	[DSDS][Dialer] On-the-fly SIM change when calling
p.22–24	Bug#940752	[DSDS][Dialer][Voicemail] Clicking on voicemail should use the correct subscription for making an outgoing call

# Version history

0.1	[1/10/2014]	[Carrie Wang]	[First version release]
0.2	[1/30/2014]	[Carrie Wang]	[p.6–7 Revise the texts as SIM indication] [p.8 Update the incoming call page on Lockscreen] [p.12 Add the SIM indication for call waiting scenario] [p.16 Add the Call button views in different scenario] [p.18–19 Adopt action menu as SIM picker] [p.21 Add the call button interaction of numbers input] [p.22–24 Add voicemail scenario] [Remove Call log on-the-fly SIM changes]
0.3	[8/2/2014]	[Carrie Wang]	[p.8–12 Call page texts indication] [p.12 Apply current call waiting page] [p.16 Revise call button status (no number input)] [Remove the carrier name and numbers on SIM picker]

[View details](#)

# User stories

**p.7–8**

**As a user, when I am notified about a phone call via a notification, I want to be informed on which SIM card the call is coming on.**

AC1: I want an easy to understand, on the receiving call screen, to show via which SIM the call is being received

AC2: If the device is locked and a call is received I want to see via which SIM the call is received

**p.9–10**

**As a user, when I receive a phone call, I want to be informed on which SIM the call is received.**

AC1: I want an easy to understand, on the receiving call screen, to show via which SIM the call is being received

AC2: If the device is locked and a call is received I want to see via which SIM the call is received

**p.12–13**

**As a user, I want to see in the call log on which SIM card the call has been made or received**

AC1: The information must be shown on the "ALL" tab and on the "MISSED" tab

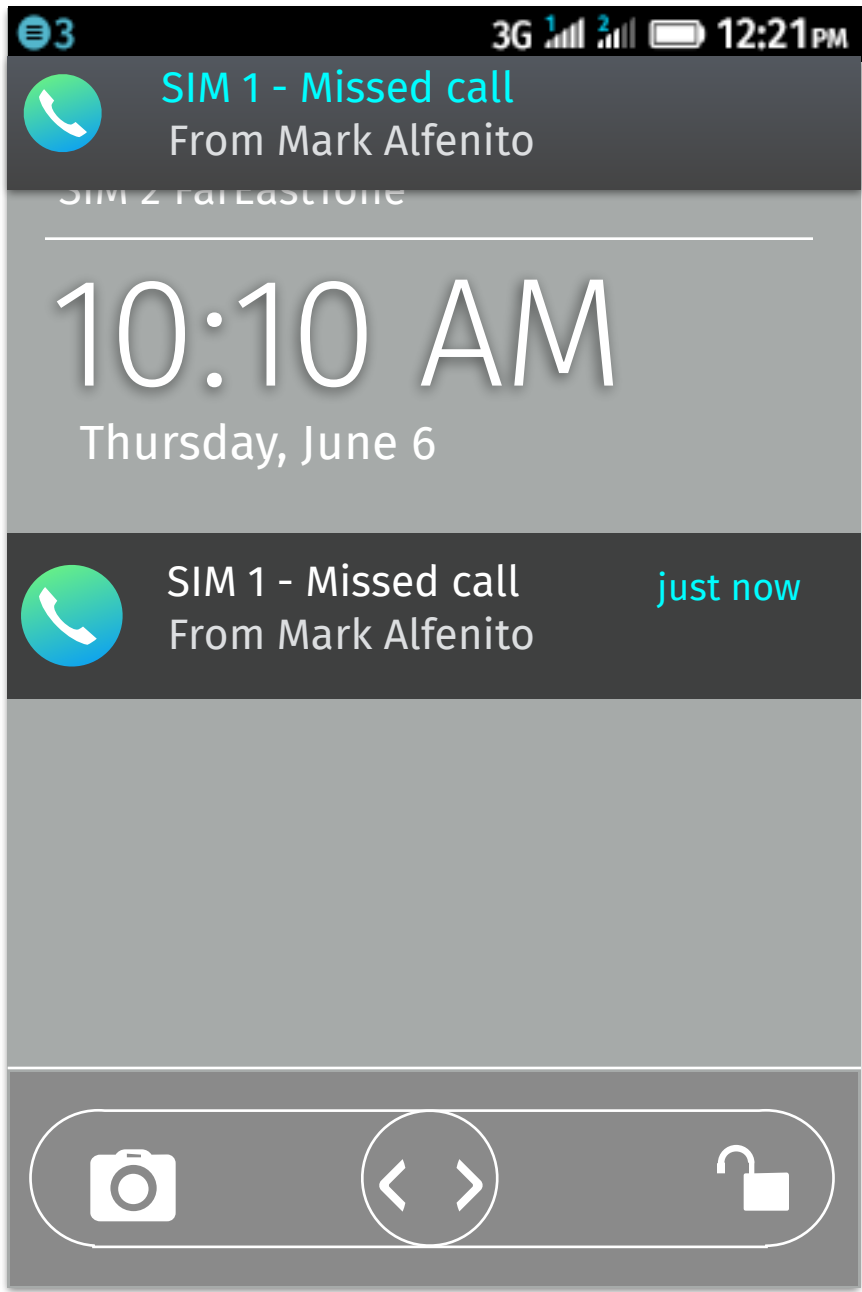
AC2: I want to easily find this information without navigating a big menu tree

AC3: I want to see both information, SIM card number and phone number of the receiving SIM

AC4: If I have multiple calls from a single user then I want to see the last received via which SIM.

AC5: If the call log contains entries for a combined conference call and I tap on the conference call item to see via which SIM each users call has been received.

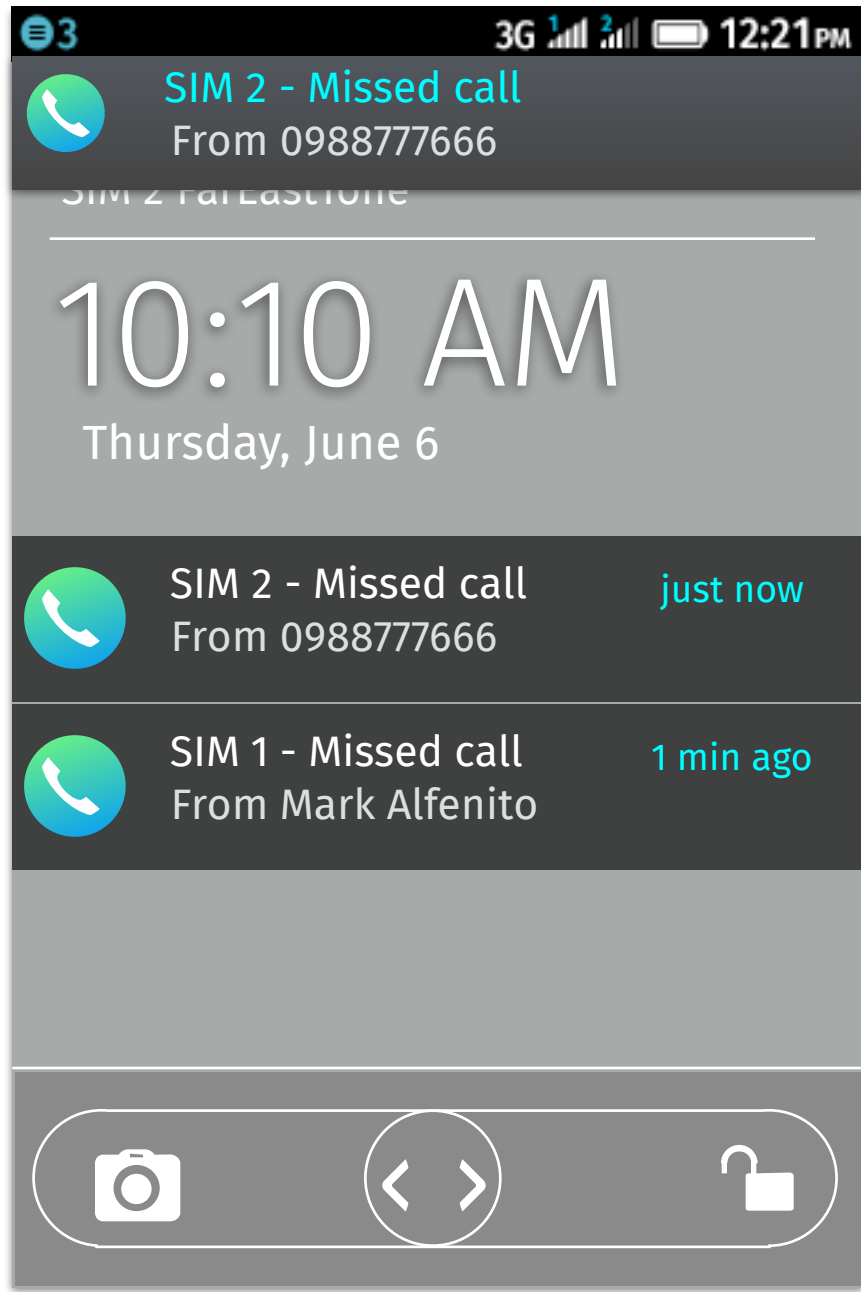
## 1. Notifications on Lockscreen



A missed call from an existing contact.

- A** If the incoming call is missed, there will be a notification drops down and indicates the call came on which SIM. It will disappear after seconds.
- B** A Notification will also shows on the Lockscreen and stay there until the user unlocks the screen.

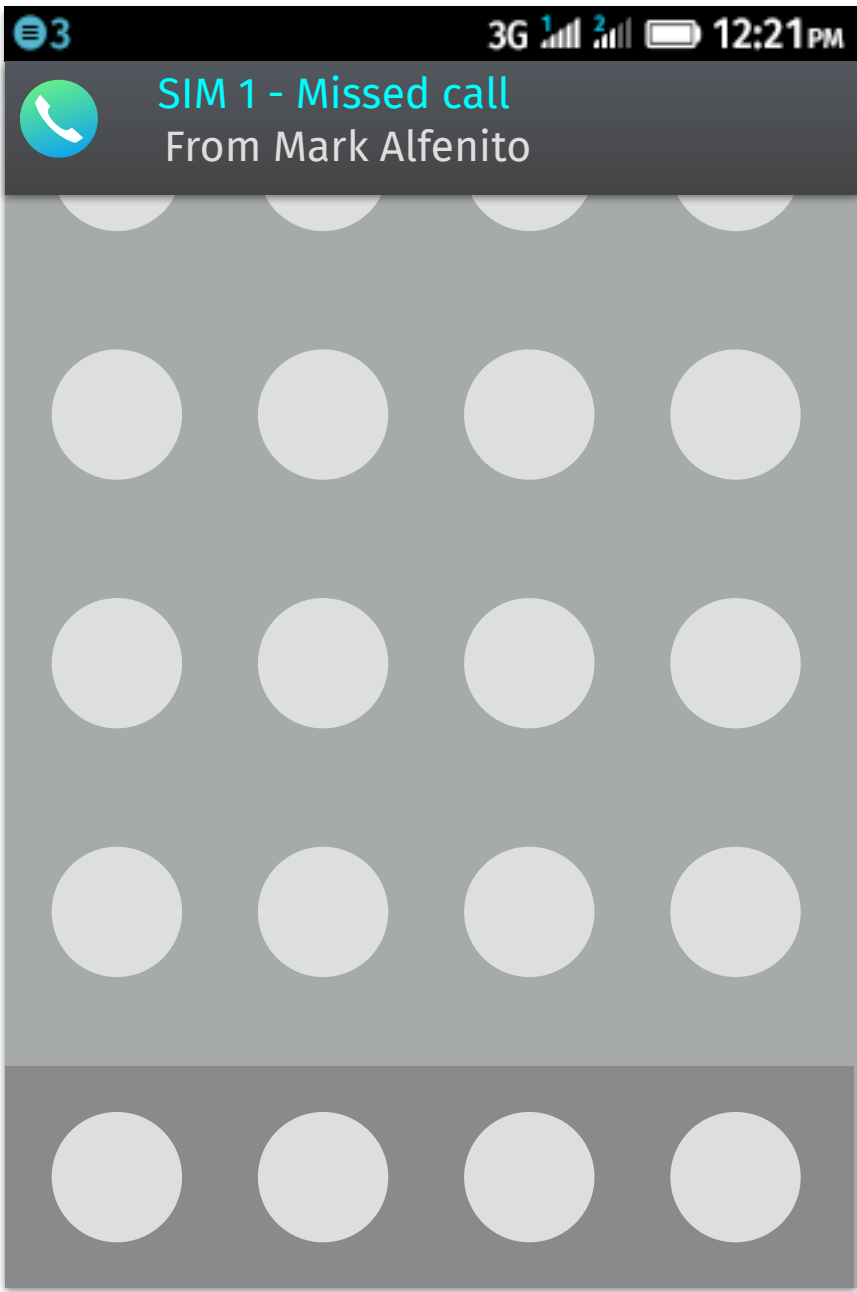
## 2. Notifications on Lockscreen



A missed call from an unknown caller.

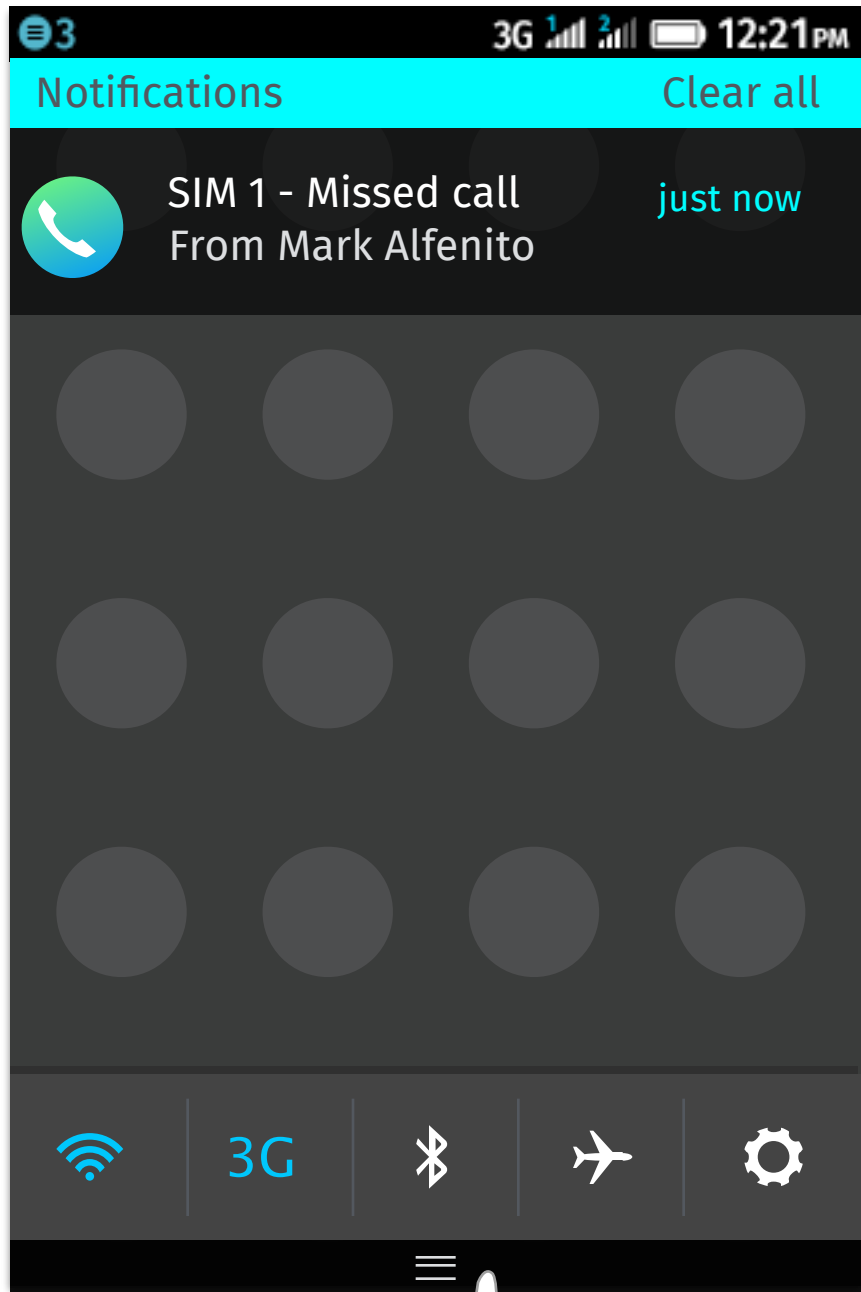
- A** The notification shows numbers rather than caller name if it's from an unknown caller and it also indicates the call came on which SIM.
- B** A Notification will also show on the Lockscreen and stay there until the user unlocks the screen.

## Notifications on Homescreen



**A** If the screen is unlocked and there is a missed incoming call, a notification will drop down and indicate the call came on which SIM. It will disappear after seconds.

## Notifications in utility tray



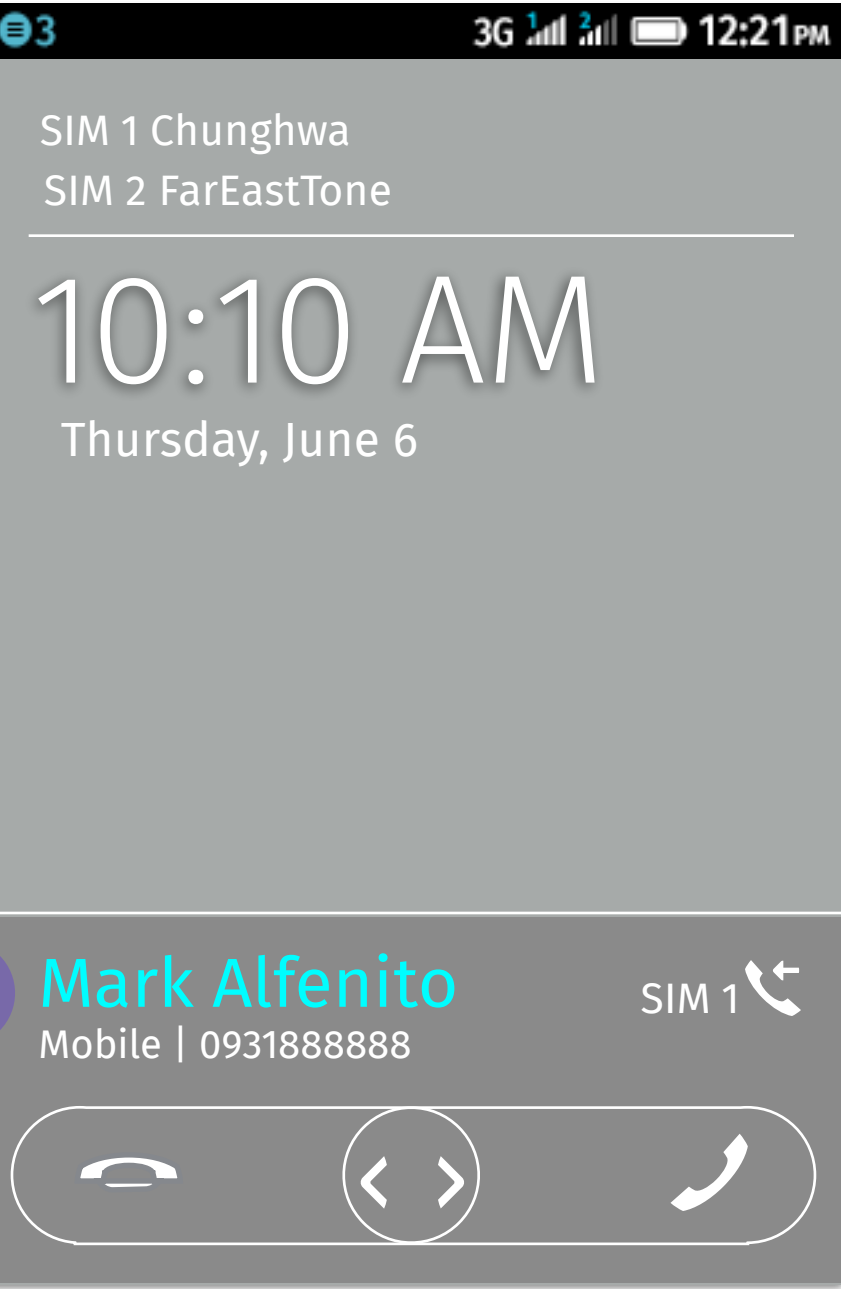
**B** If there is a missed call, the user can drag down the utility tray to check the notification. It indicates the call came on which SIM. Tap it will be led to the call log.



# Receiving calls (screen-locked)

updated v 0.2

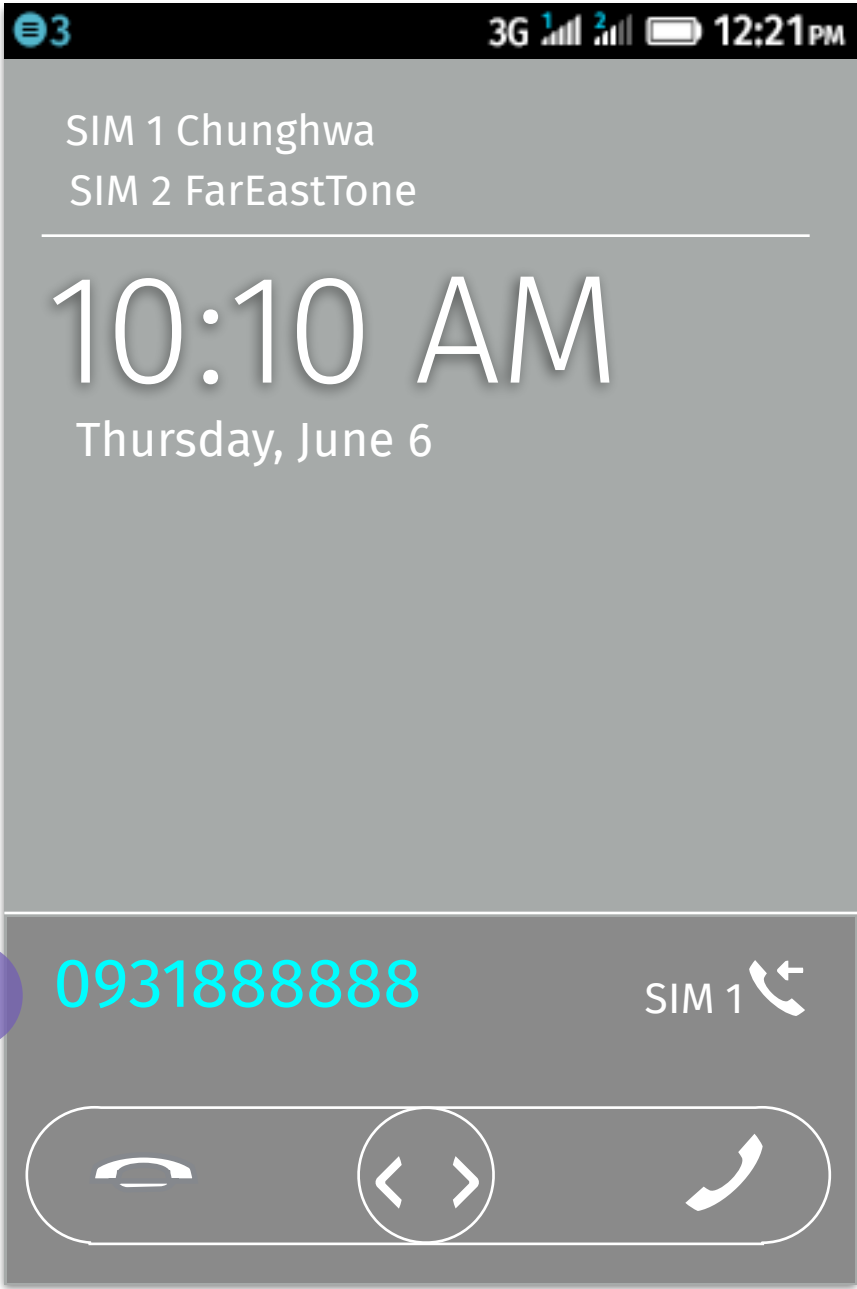
## Incoming calls on Lockscreen (existing contact)



A The SIM indication next to the icon illustrates the call is coming via which SIM and the carrier name.

Receiving a call from an existing contact.

## Incoming calls on Lockscreen (unknown caller)



A The SIM indication next to the icon illustrates the call is coming via which SIM and the carrier name.

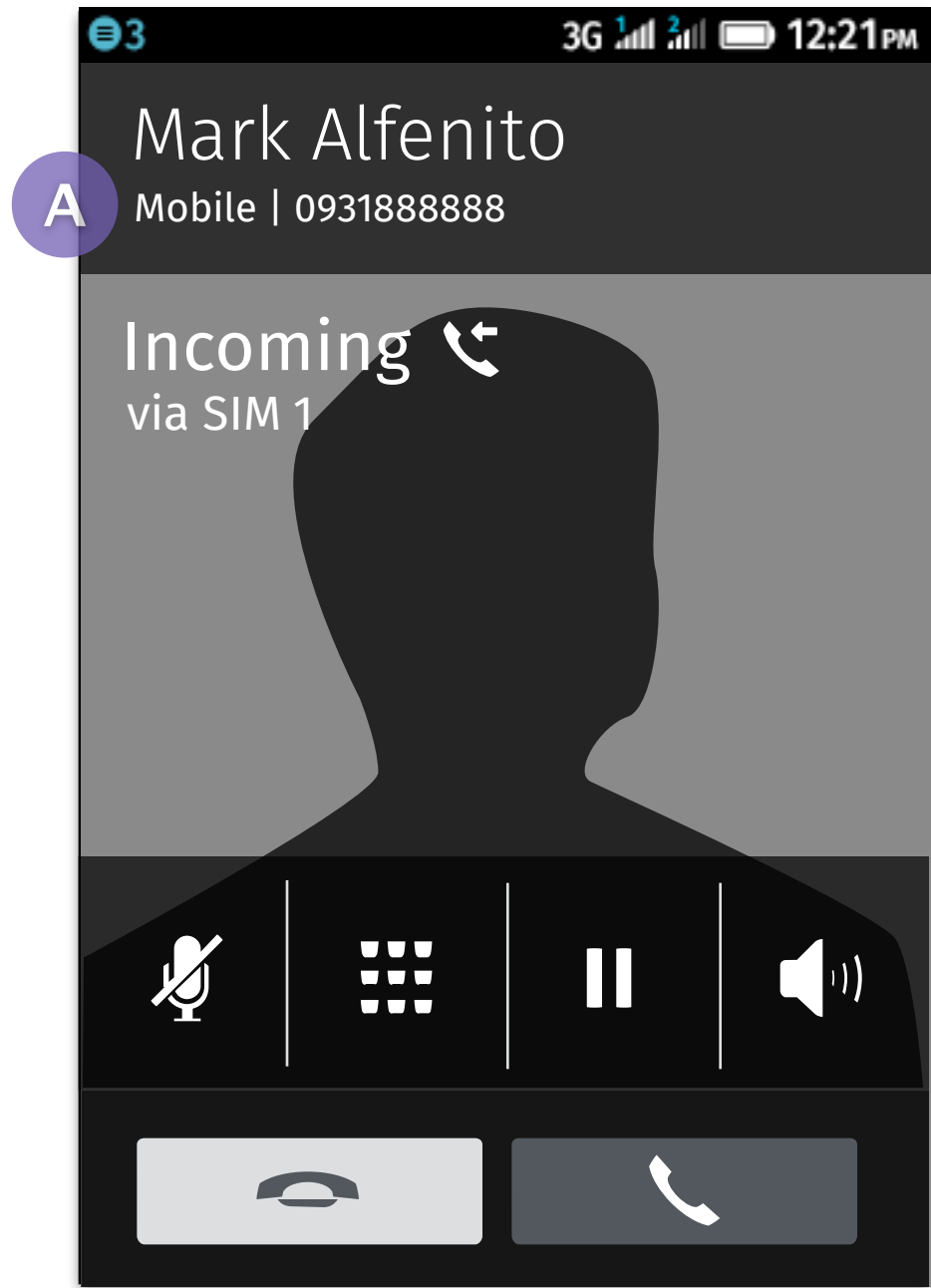
Receiving a call from an unknown caller.



# Receiving calls (unlocked)

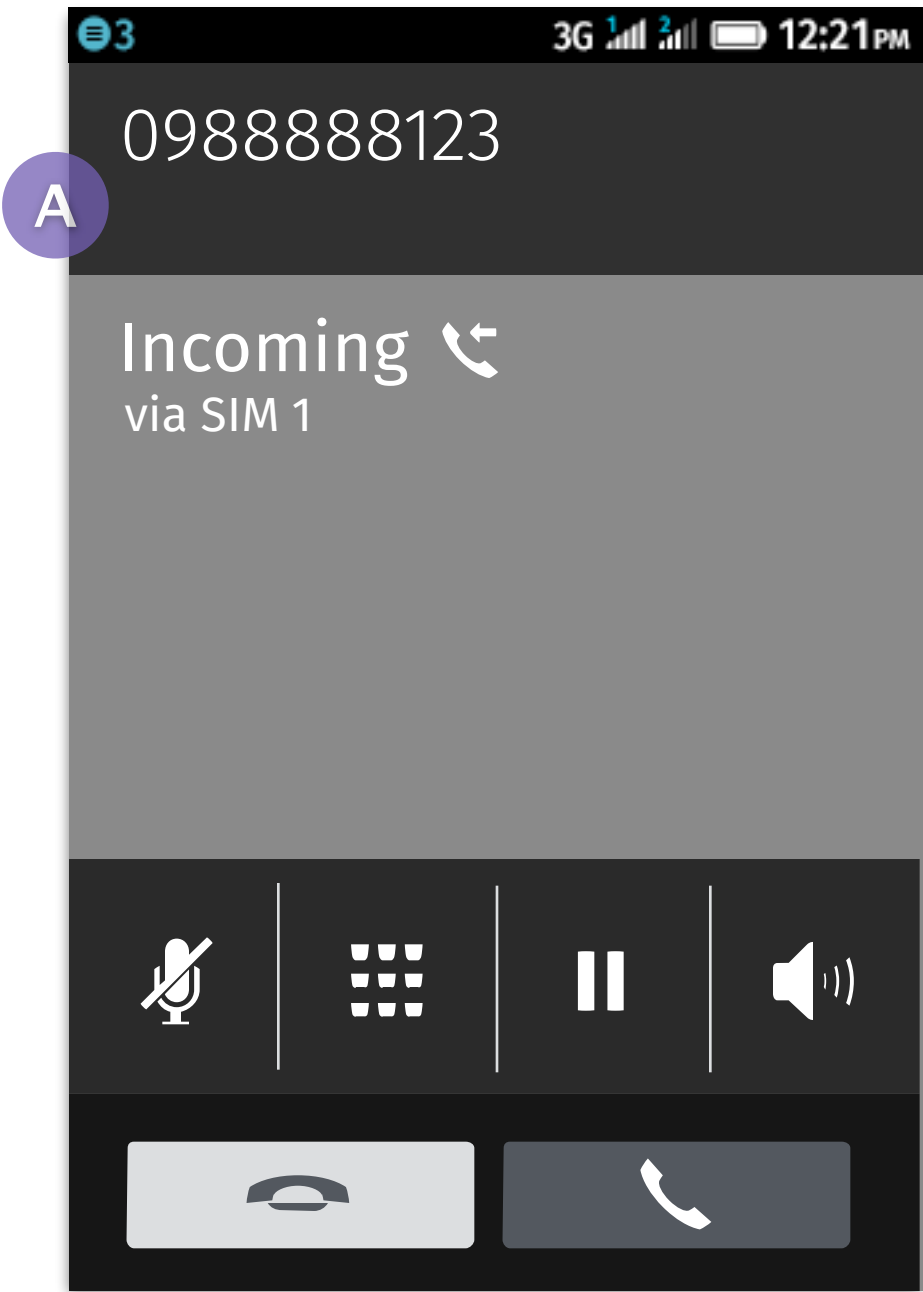
updated v 0.2

Call receiving page



Receiving a call from an existing contact.

Call receiving page



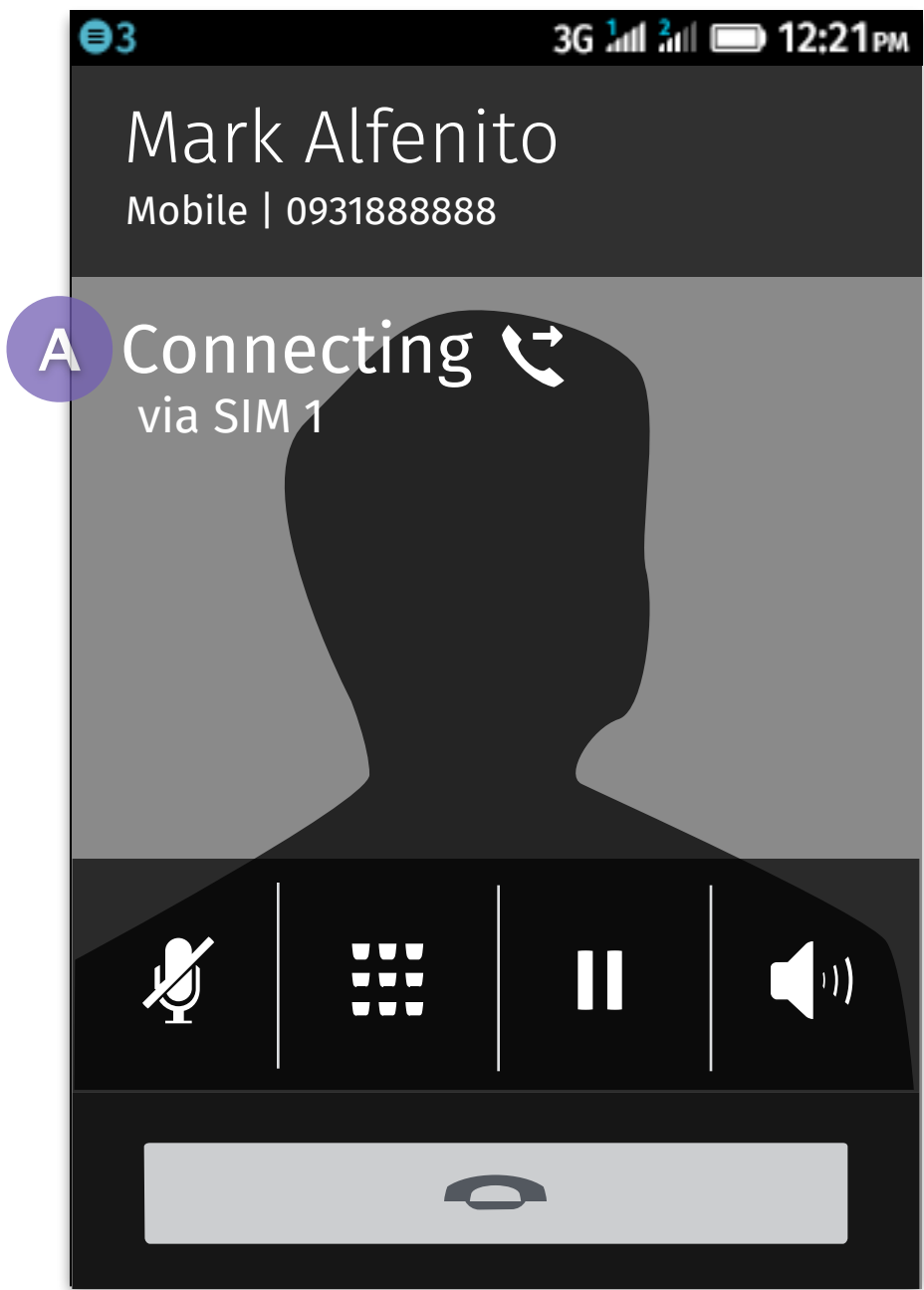
Receiving a call from an unknown caller.

A The texts indicate which SIM is receiving incoming calls on dual SIM devices.

# Making calls

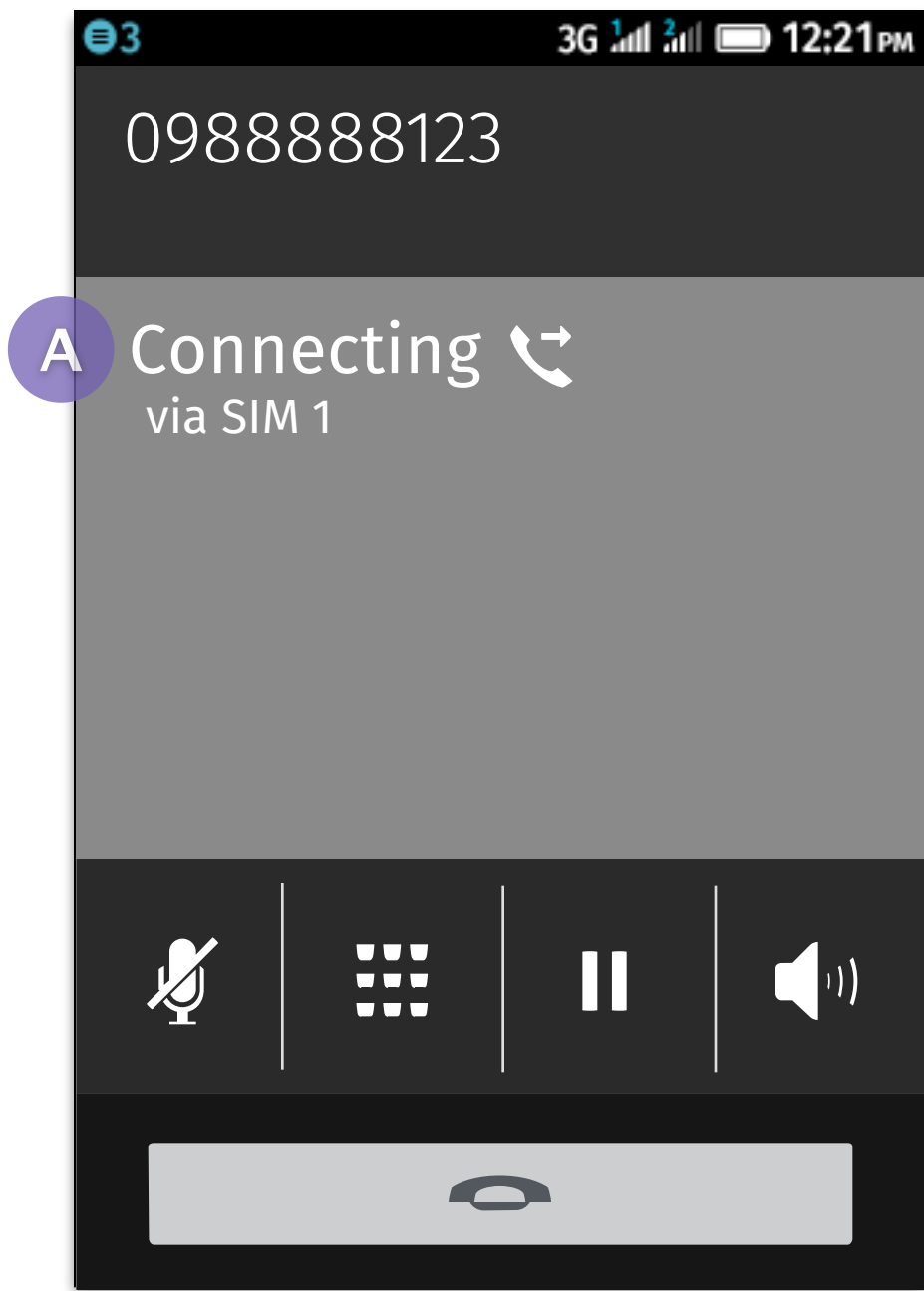
updated v 0.2

Call-placing page



Outgoing-call status with an existing contact.

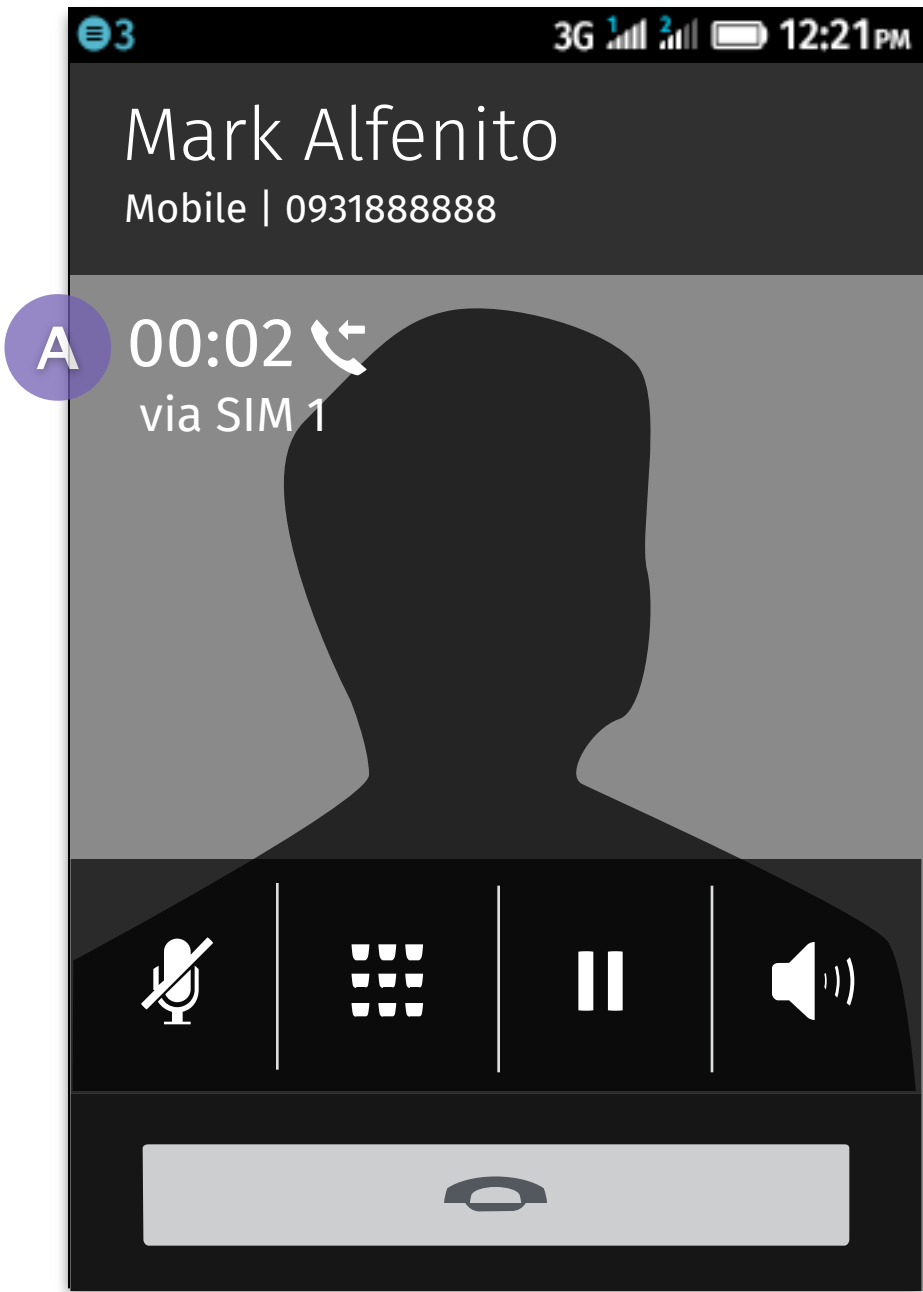
Call-placing page



Outgoing-call status with an unknown caller.

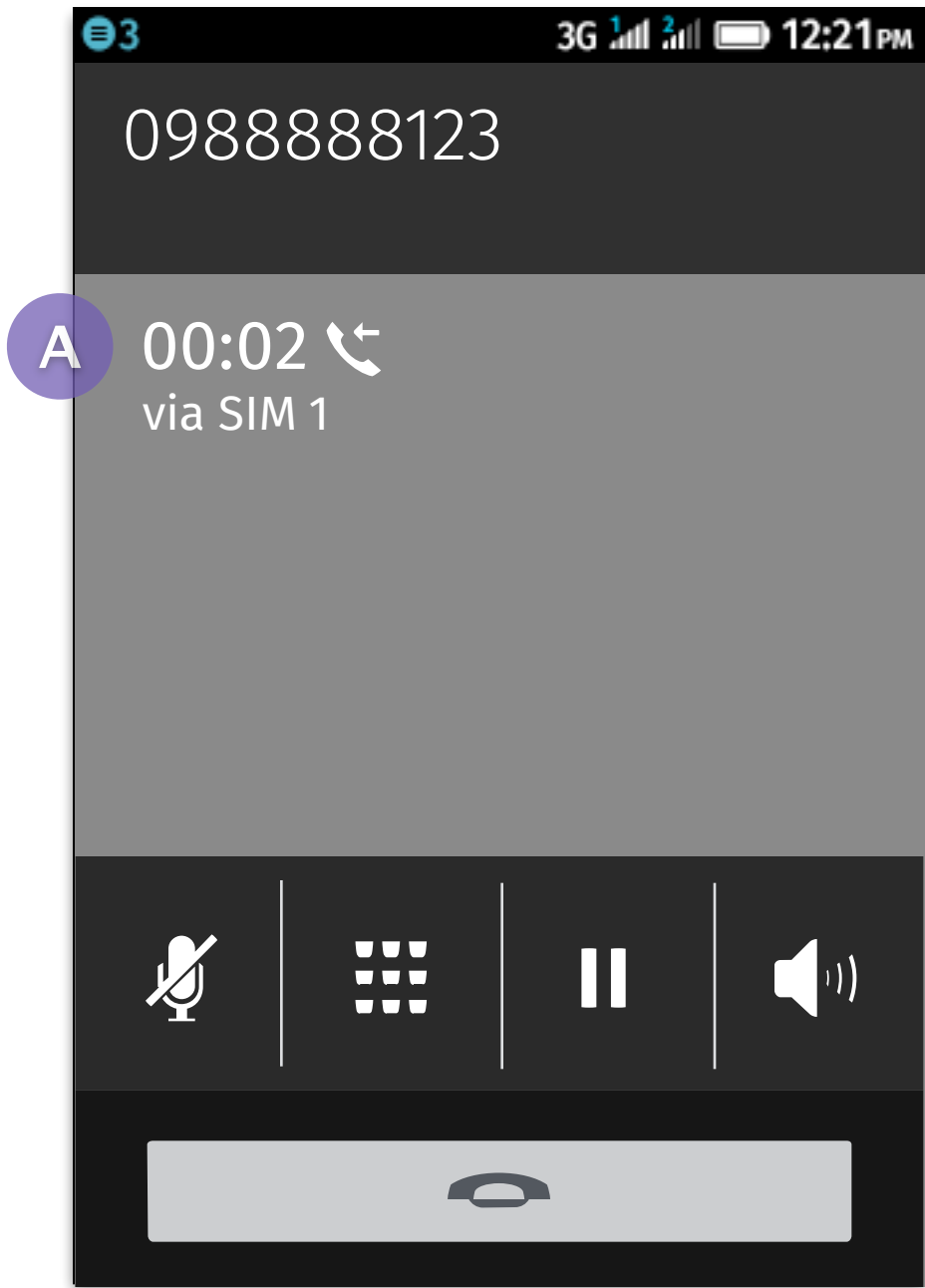
A The texts indicate which SIM is placing calls on dual SIM devices.

In-call page



In-call status with an existing contact.

In-call page



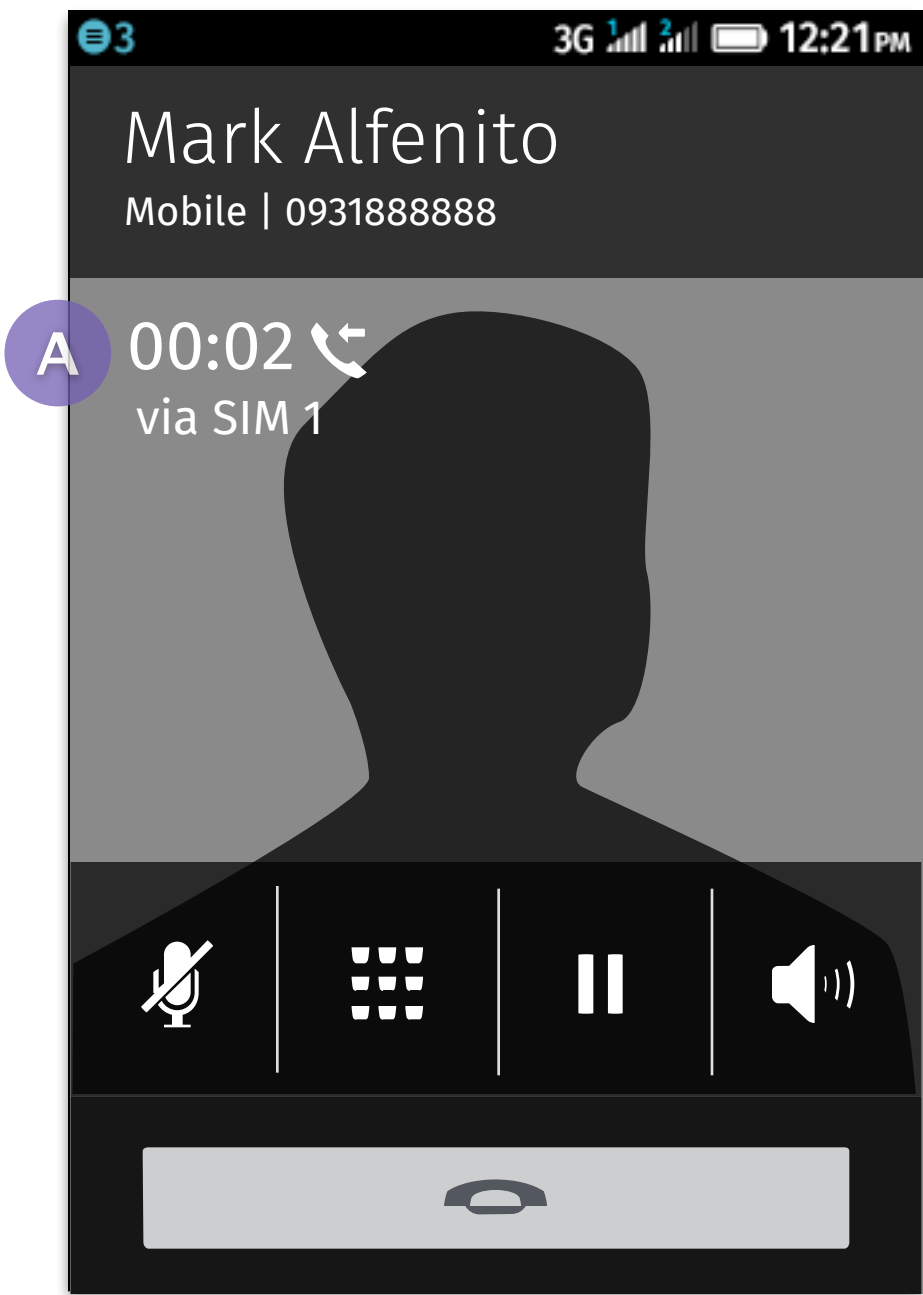
In-call status with an unknown caller.

A The texts indicate which SIM is placing calls on dual SIM devices.

# Call waiting

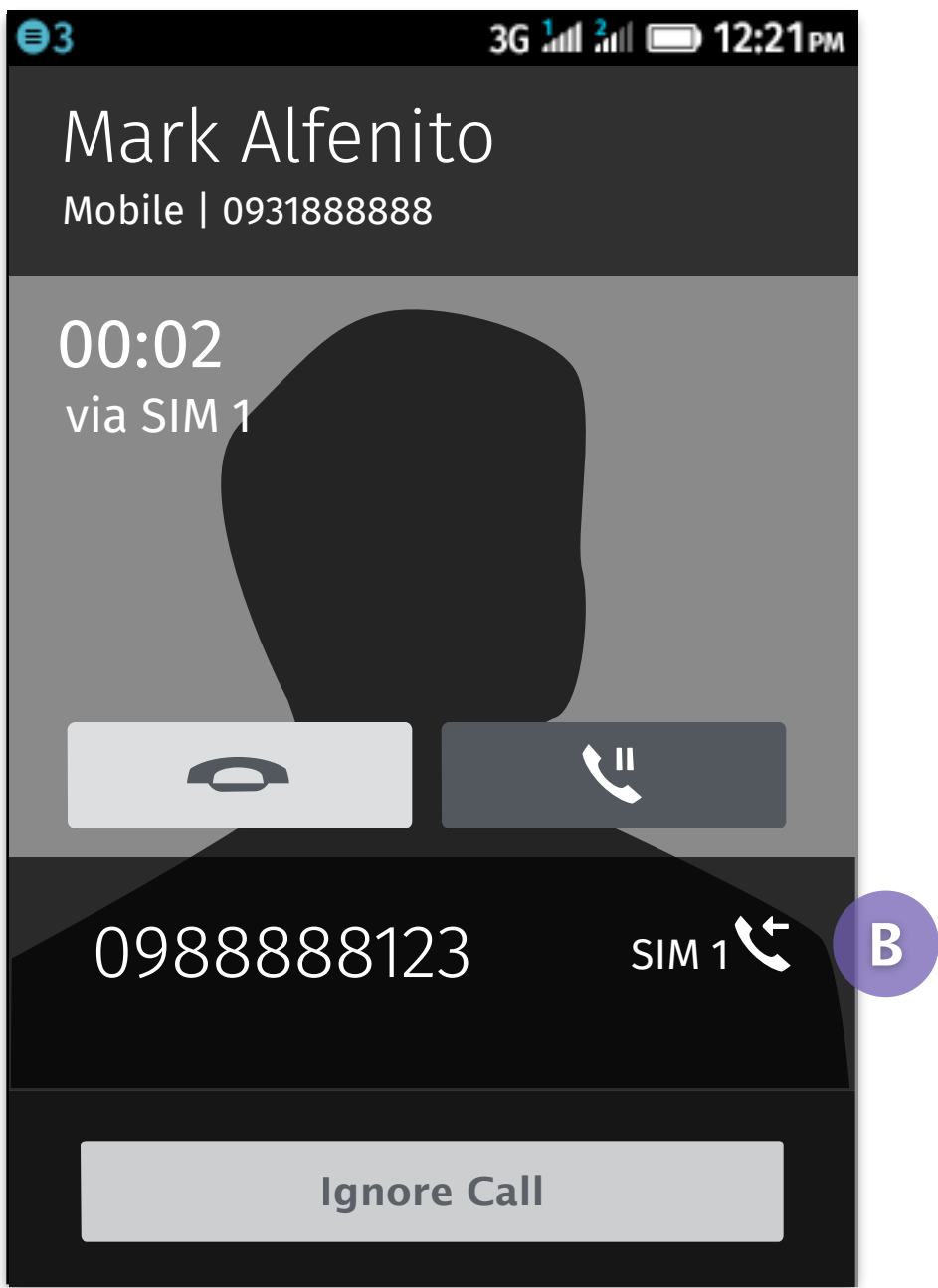
updated v 0.2

In-call page



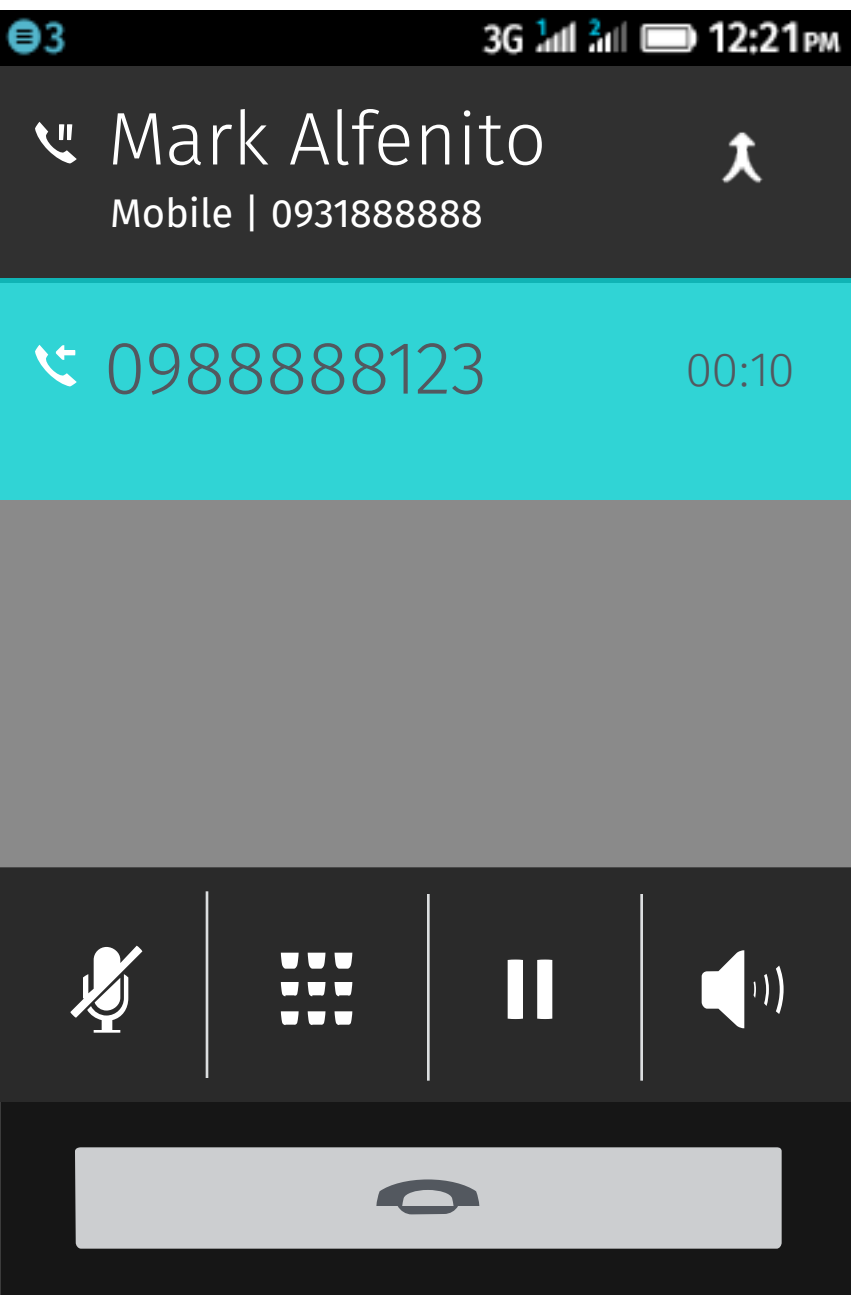
In-call status with an existing contact.

The 2nd incoming call



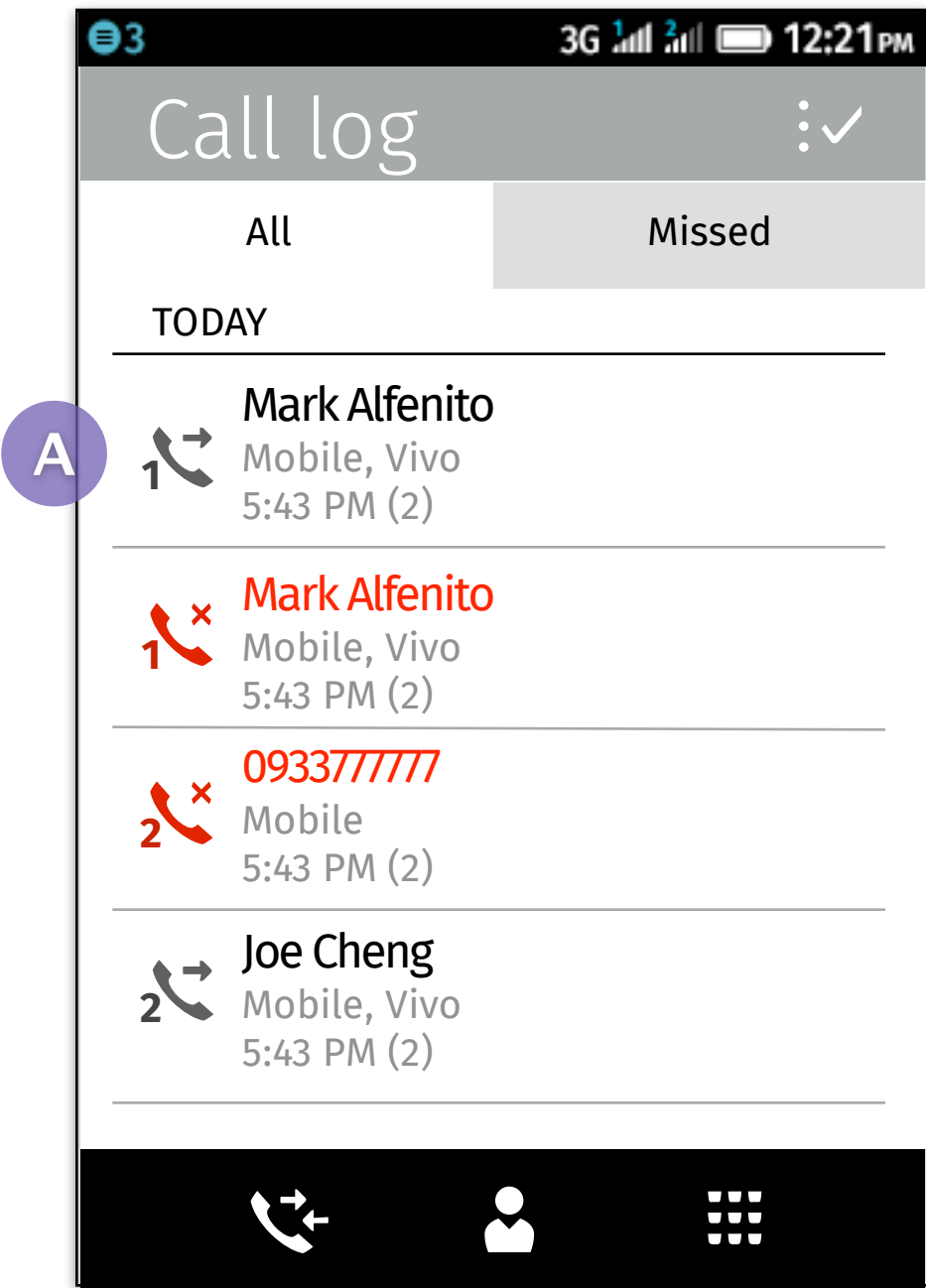
A second call is connecting via the same SIM with the current call (text and icon indication).

Call waiting page

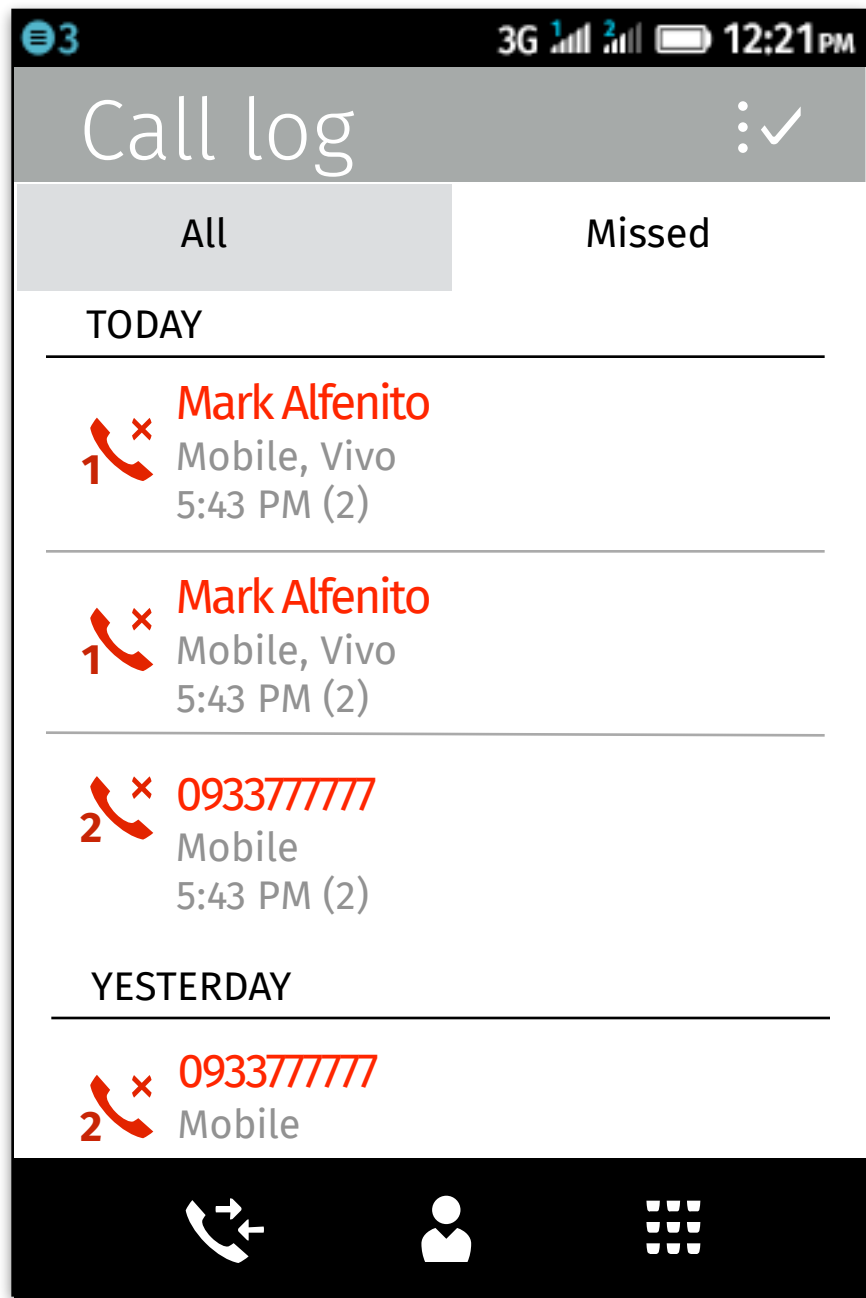


One call is on-hold and the other is active now (no indication).

All in Call log



Missed in Call log



A The SIM icons indicate the call was dialled or received via which SIM.

If there are several calls from the same caller, it will only show the SIM icon of the last call.  
e.g. the last outgoing call to Joe Cheng is made from SIM 1.

The SIM indication will always be kept no matter the SIM is removed or switched.  
e.g. Remove SIM 2 from the SIM slot, the call history related to SIM 2 will still remain the same.

# Key flows

# User stories

p.16–20

**As a user, when I long tap the button "Dial" in the Dialer, I want to be able to choose from which SIM the call must be made.**

AC1: I only want this option to apply for that specific call

AC2: I want to see the default SIM for making a call highlighted on this screen

AC3: I want a "remember my choice" option, and when I click on it the default option in settings should be changed to this new SIM

AC4: When I select a SIM I want the call to be placed. I should not have to press on dial again to make that call.



# Call button views

updated v 0.2



A The icon is adopted when the user has set a primary SIM for outgoing call and at least one number is input in the numbers field (p.17–18).



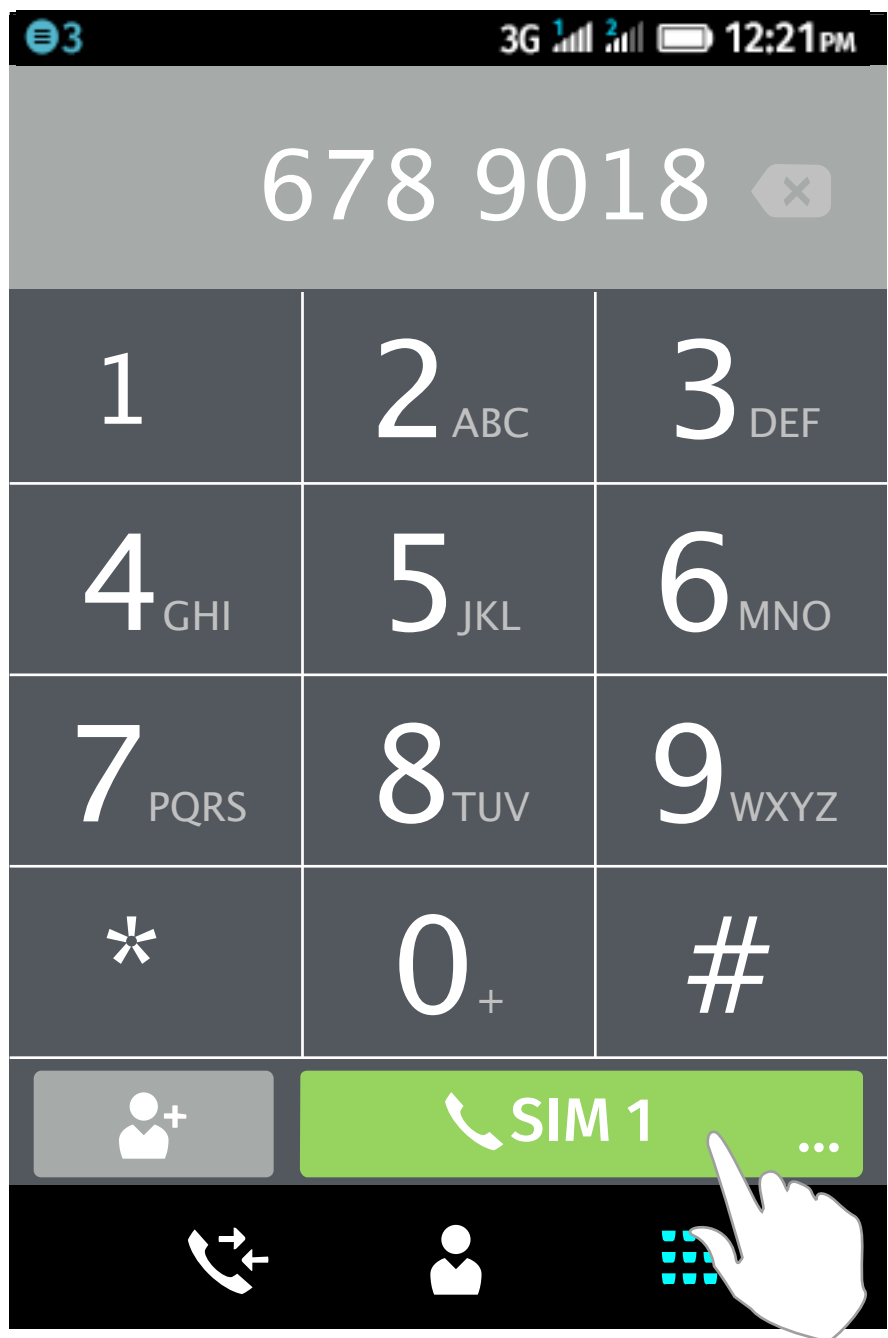
B The icon is adopted when:

1. The user set “Always ask” for outgoing call in SIM manager
2. There is only one SIM inserted (p.19–20).
3. The user has set a primary SIM for outgoing call but there is no number input in the numbers field (p.21).

# Case 1-1: Primary SIM- tap to call

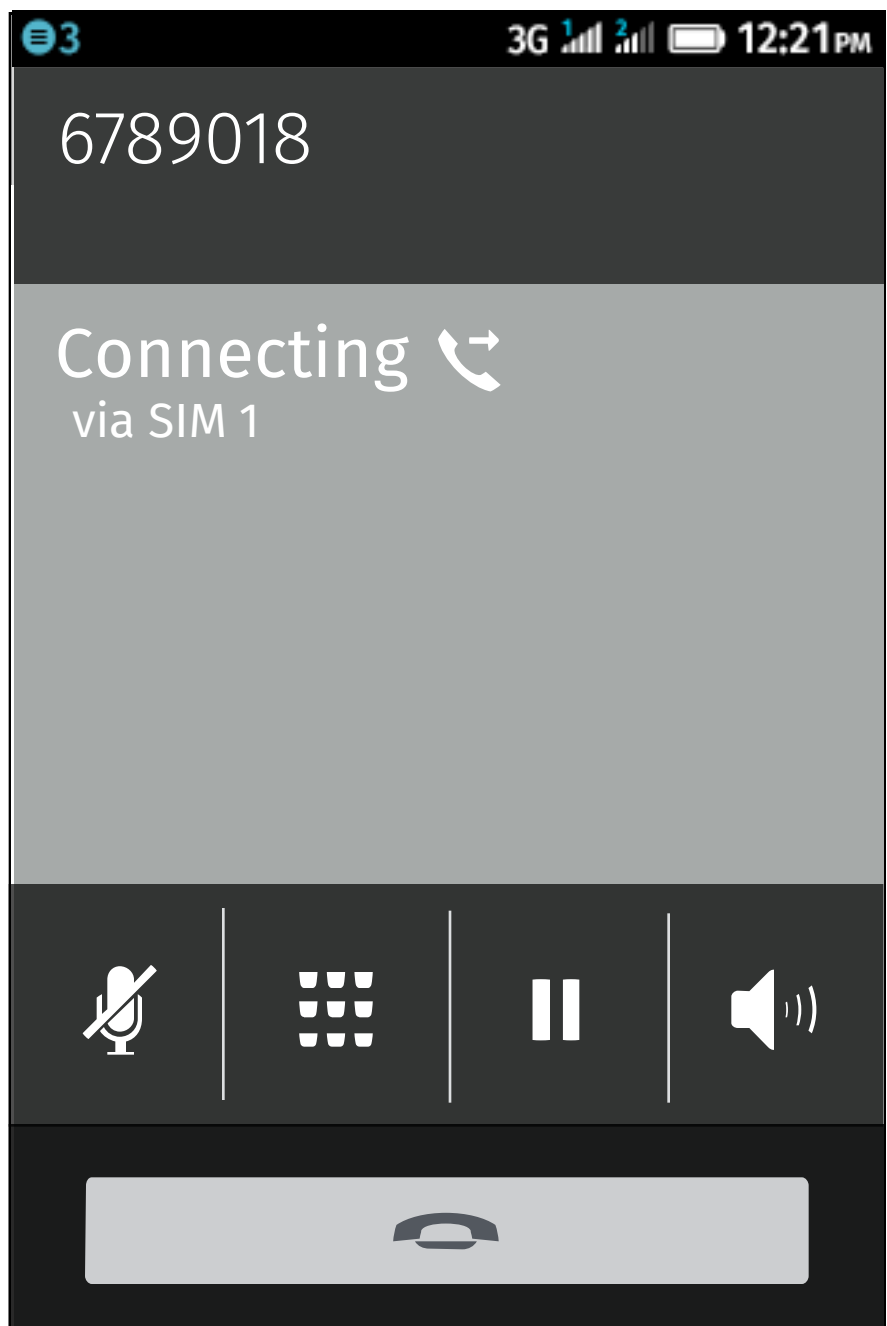
updated v 0.2

1.[Making calls from primary SIM]



Tap Call button

2.[Call sending page]



The call button shows which SIM will be applied for outgoing calls.

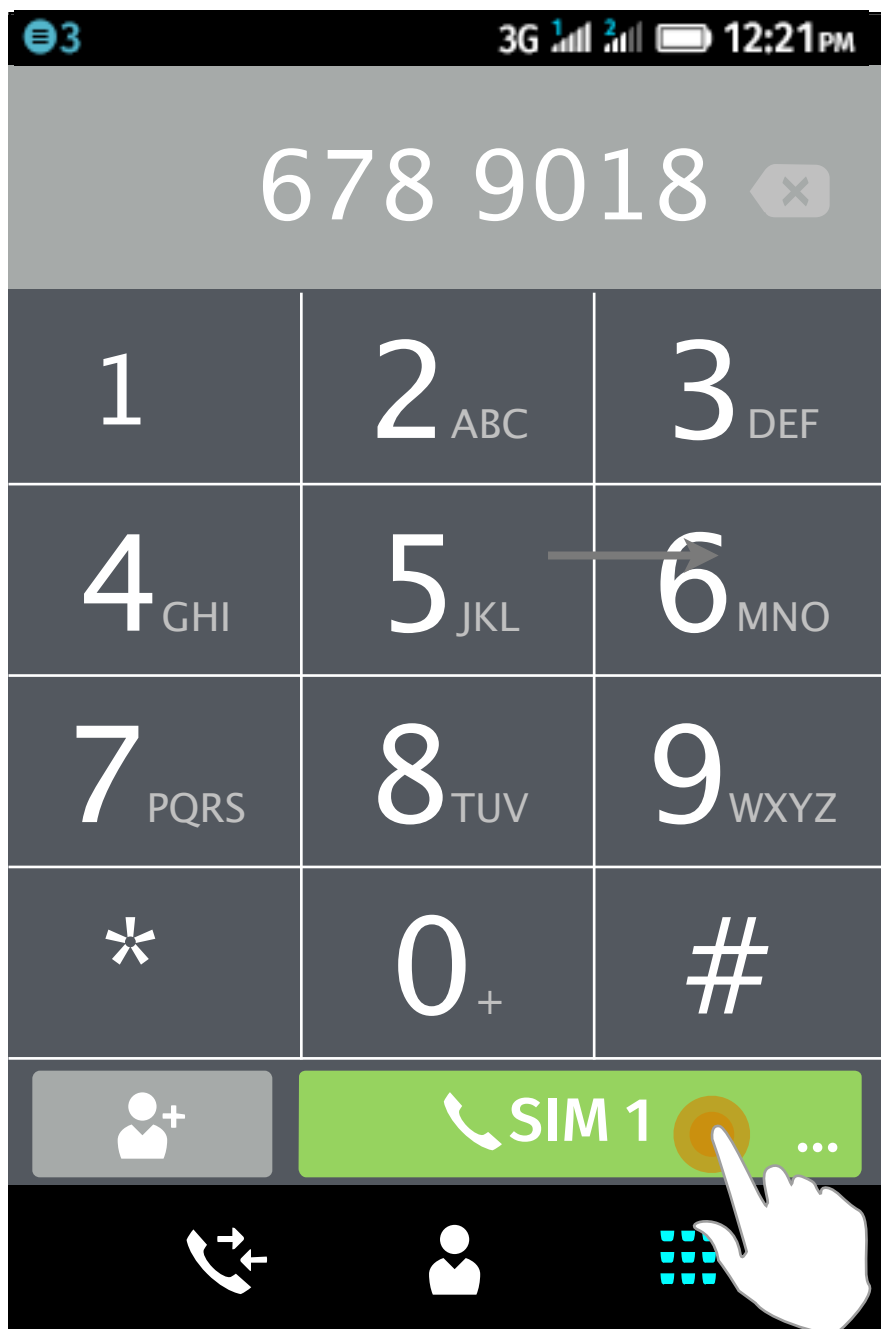
The user tap it to call out via SIM 1.

The call is dialed from SIM 1.

# Case 1-2: Primary SIM– long tap to switch

updated v 0.2

1. [Dialer]

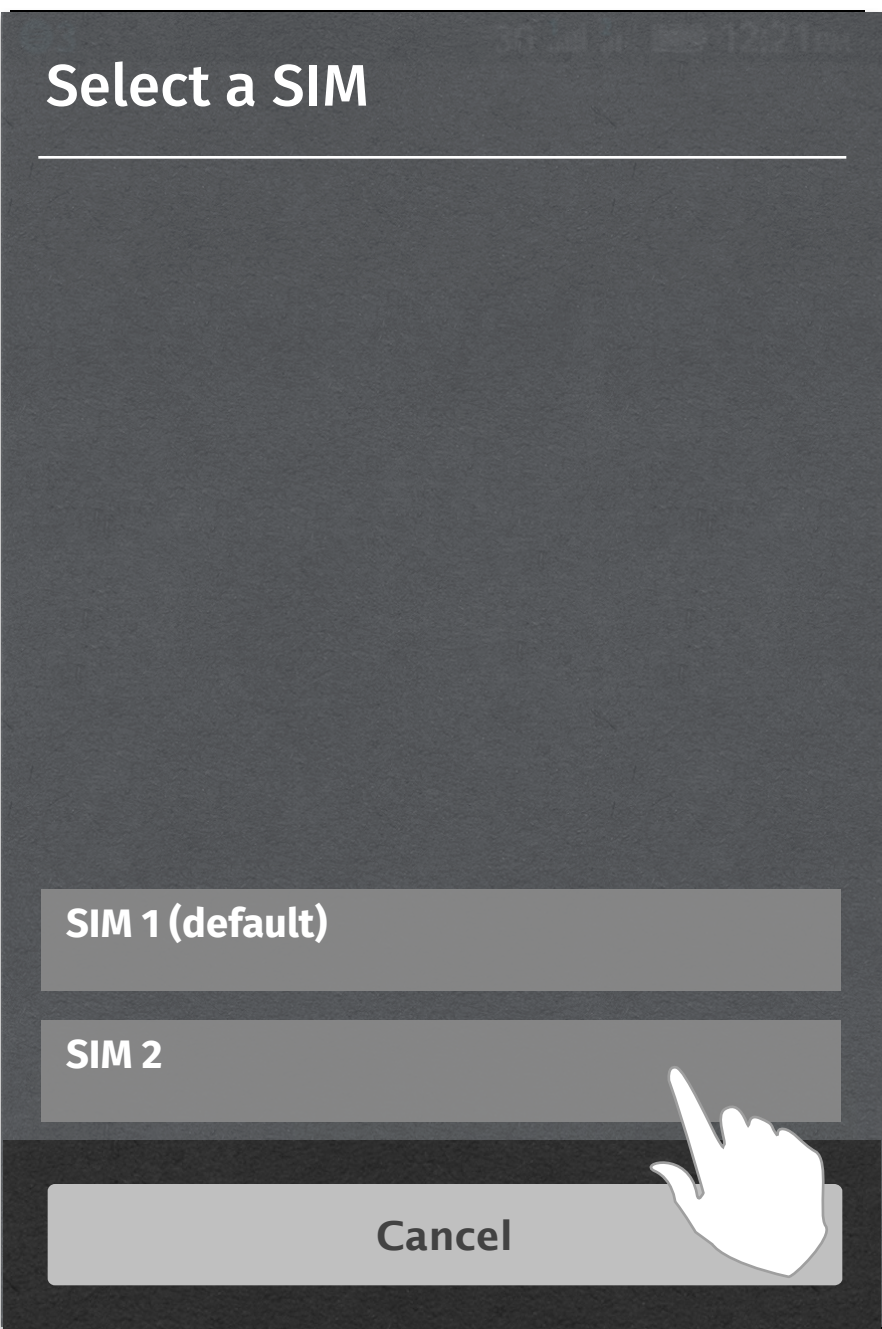


Long-tap  
Call  
button

The call button shows the SIM that will be applied for outgoing calls.

The user long-taps it for further selection.

2. [SIM picker]

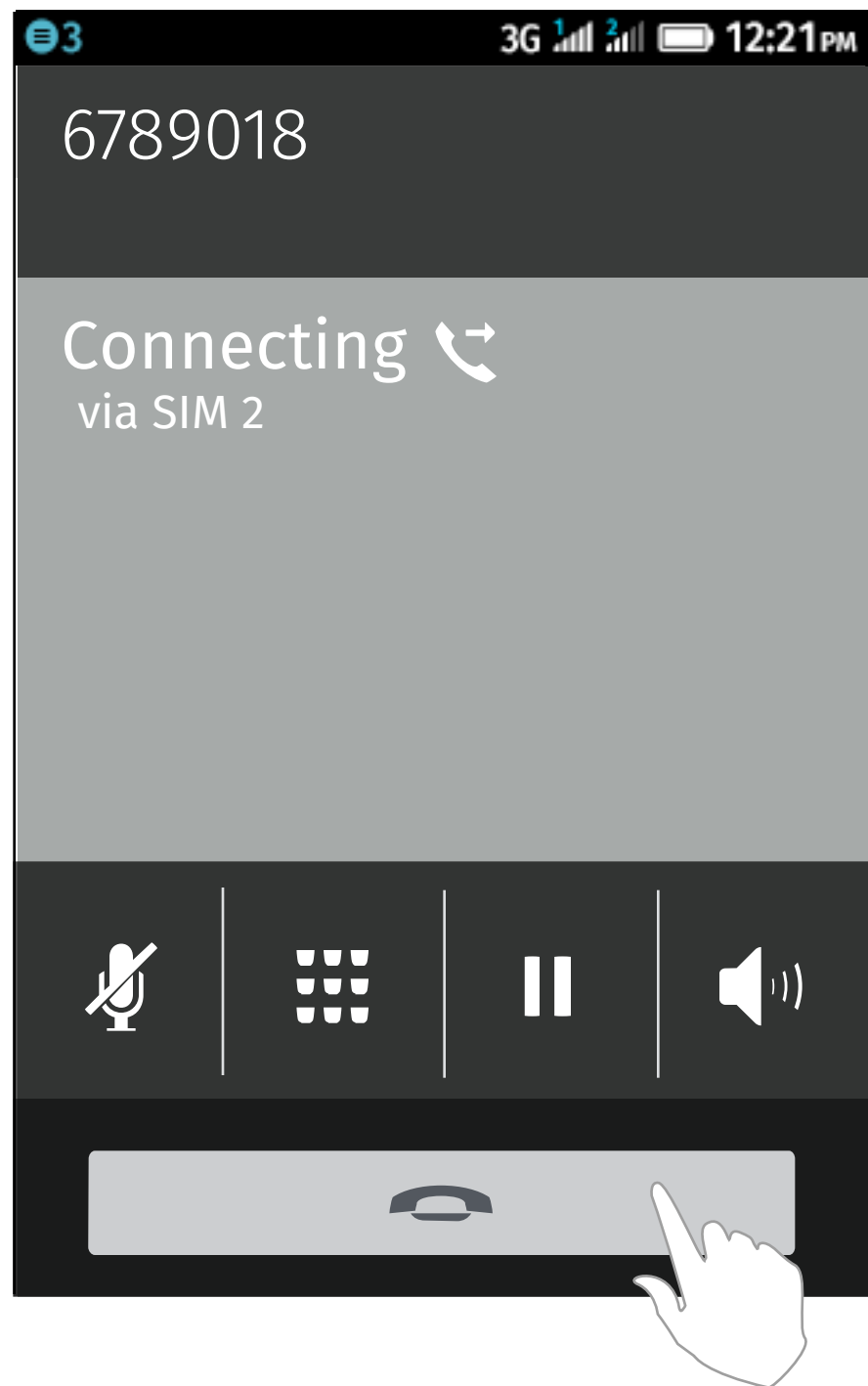


Tap  
SIM 2

The SIM picker pops up and the primary SIM will show “(default)” as indication.

The user wants to select SIM 2 to make this call.

3. [Placing the call]

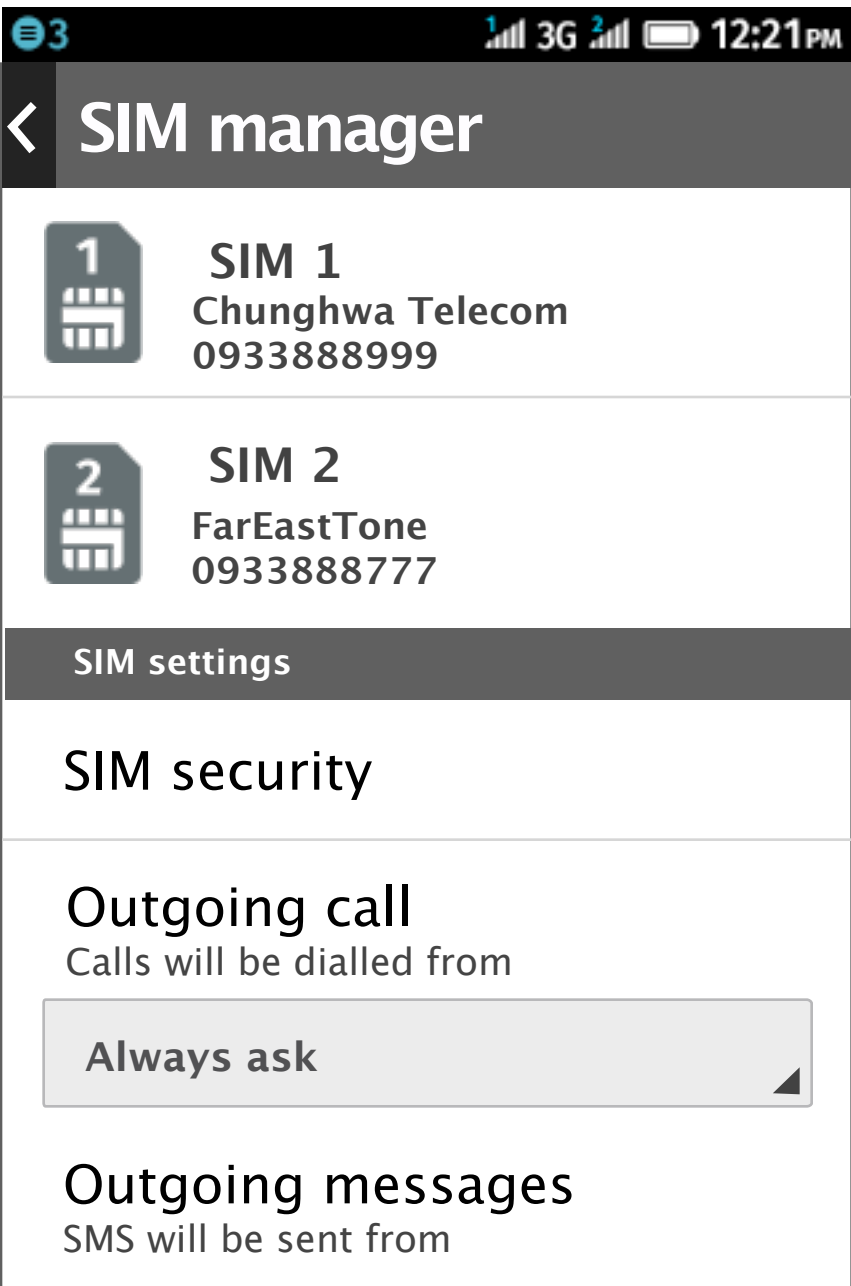


The call will be placed directly, but it's only for this specific call. The primary SIM won't be changed in SIM manager.

# Case 2: Always ask– tap to select

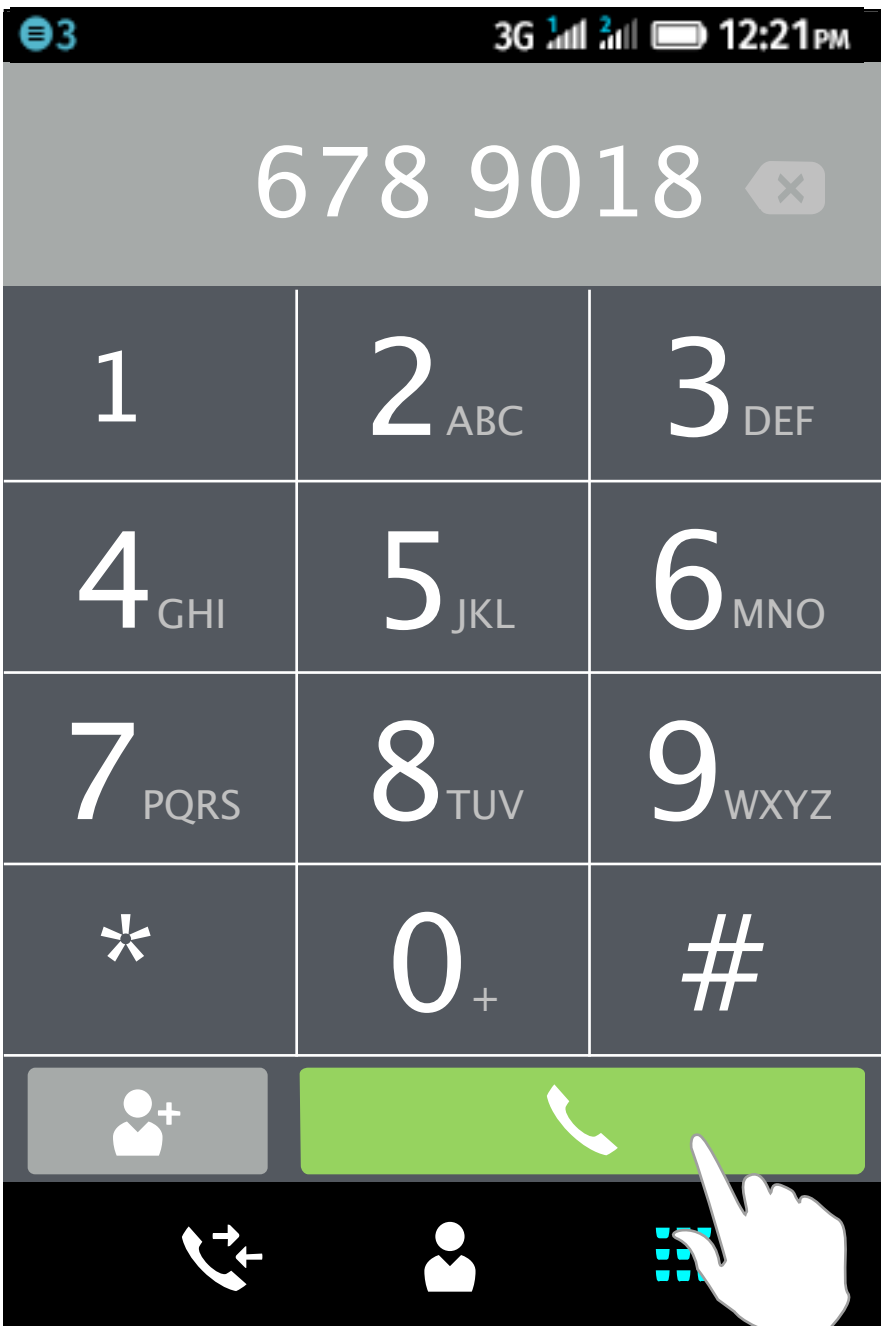
updated v 0.2

[SIM manager]



The user selects “Always ask” for outgoing calls in SIM manager.

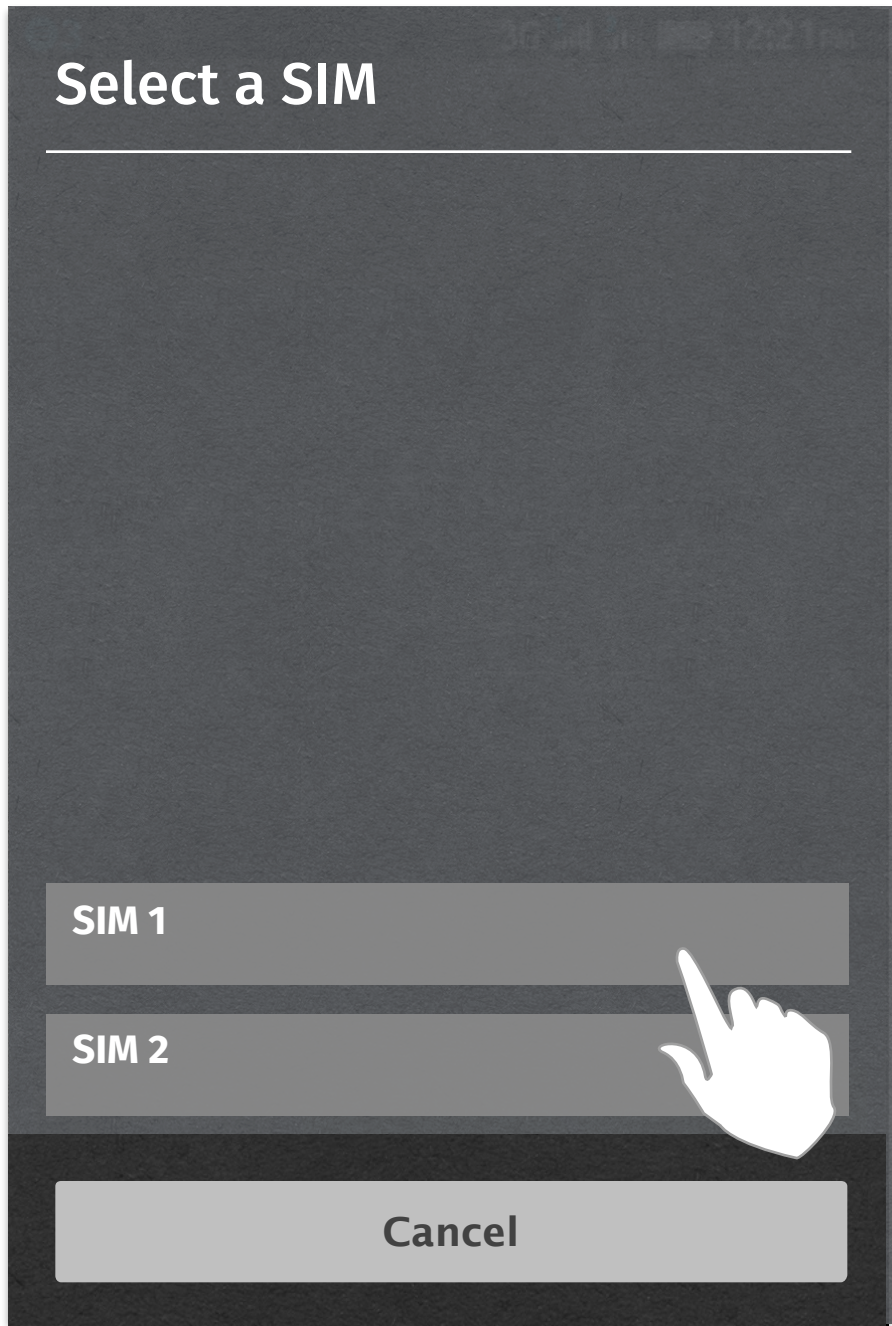
1.[Making calls from primary SIM]



Since there is no “Primary SIM” for outgoing calls, the call button will be the same with what we have on single SIM devices.

Tap Call button

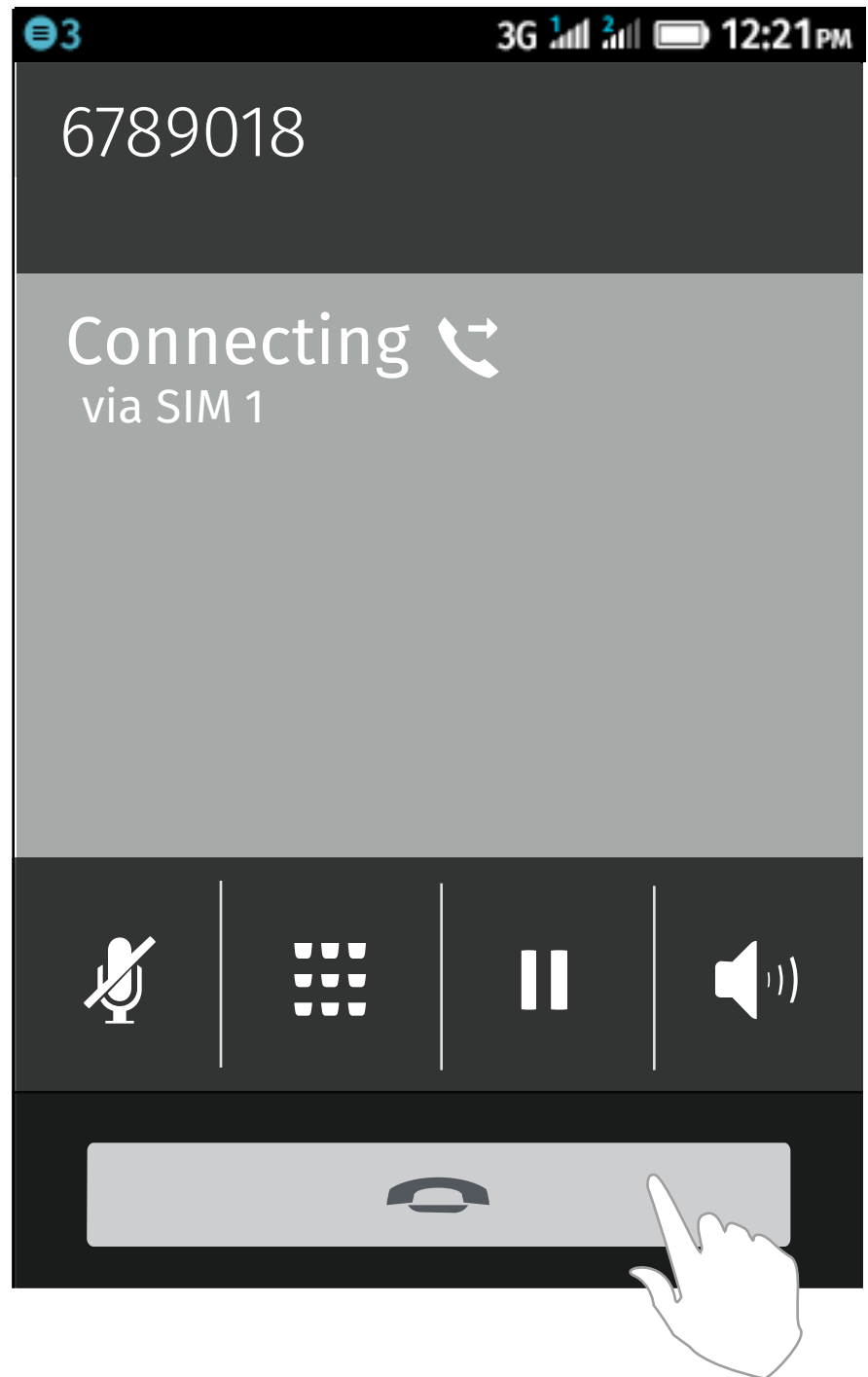
2. [SIM picker]



The SIM selector will pop up every time and none of them will be noted “(Default)”. The user can select a SIM for this outgoing call.

Tap SIM 2

3. [Placing the call]



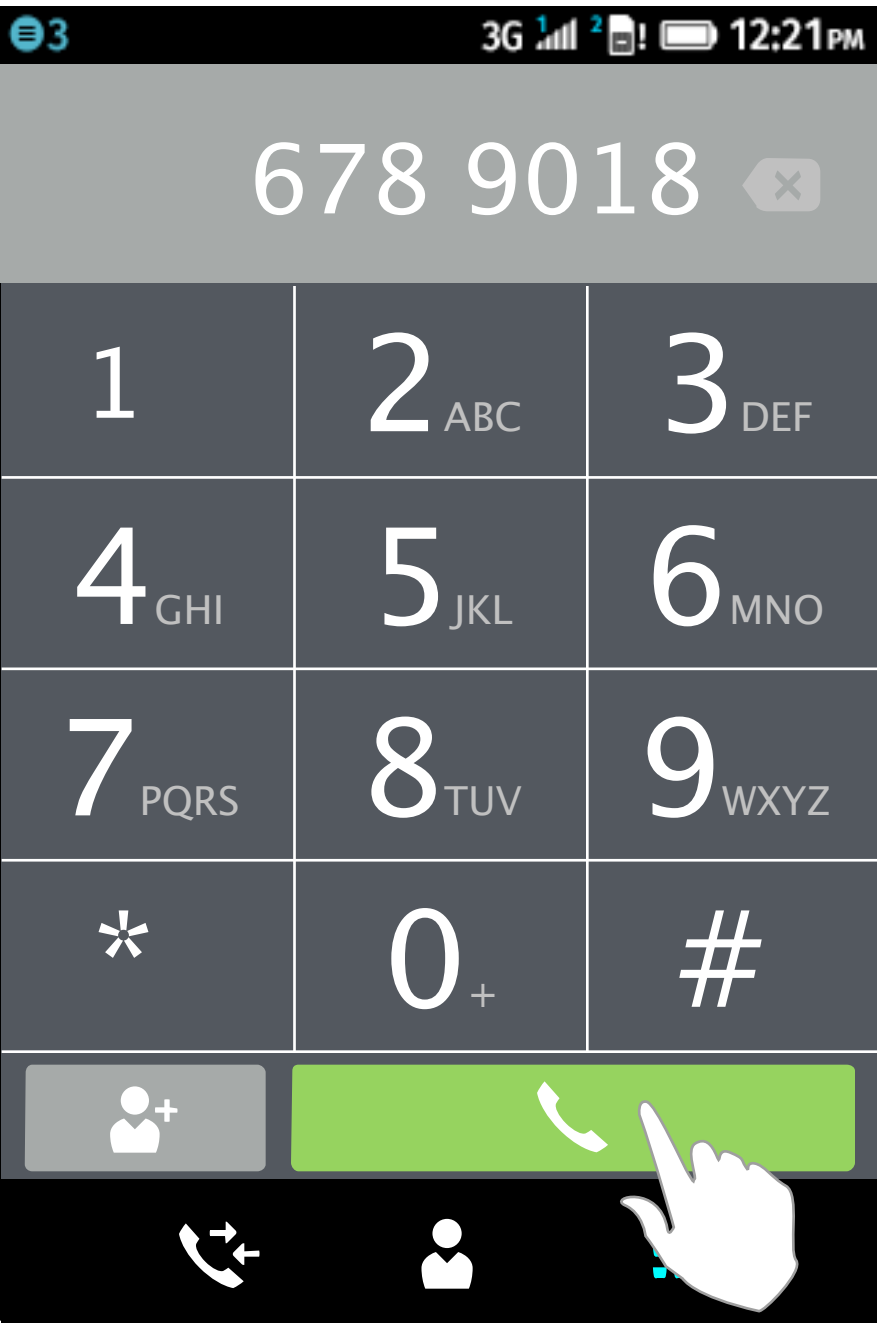
The call will be placed directly, but it’s only for this specific call.



# Dial when only 1 SIM inserted

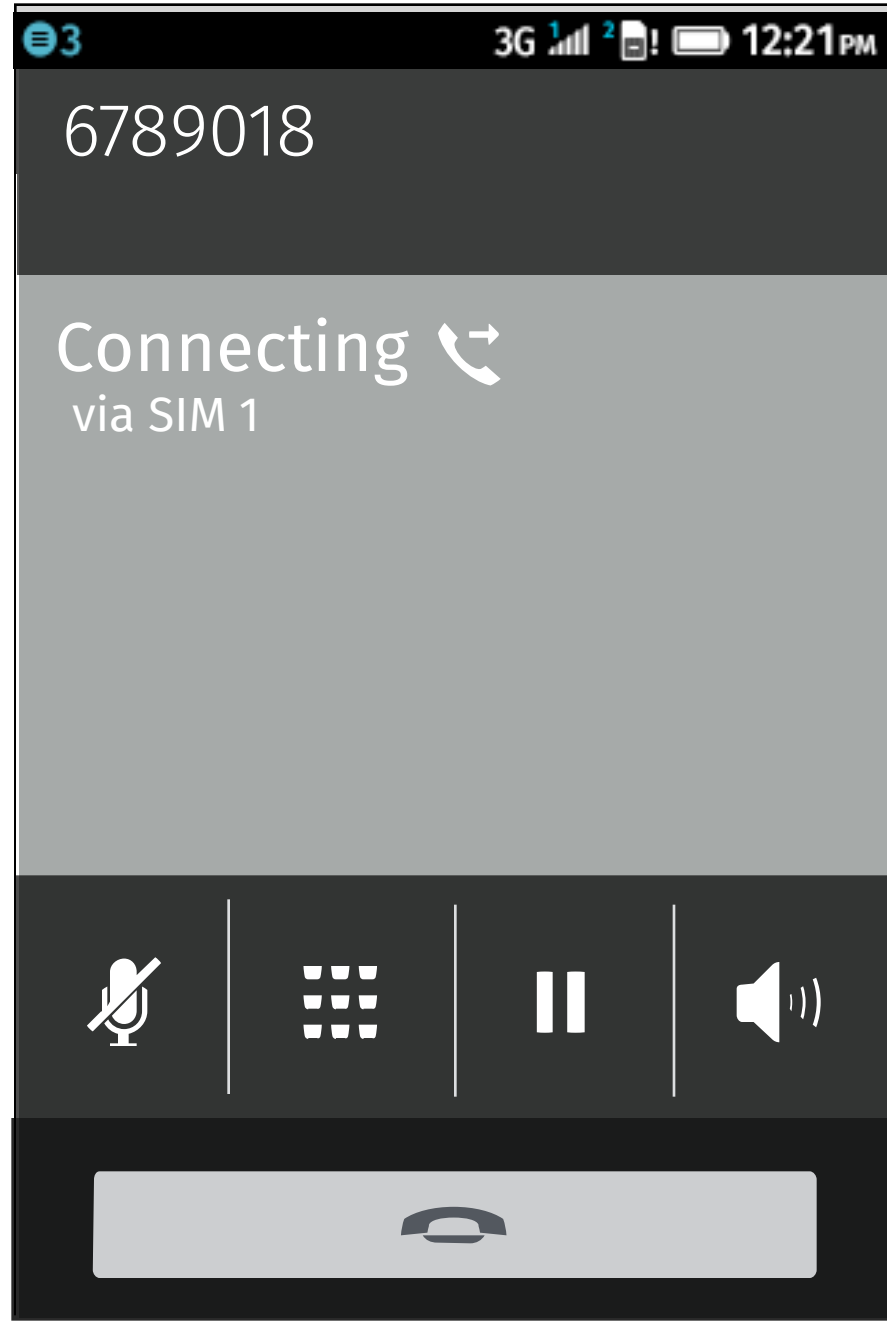
updated v 0.2

1.[Dialer]



Tap Call button

2.[Placing the call]



There is only one SIM inserted. Hence the behavior will be the same as single SIM devices.

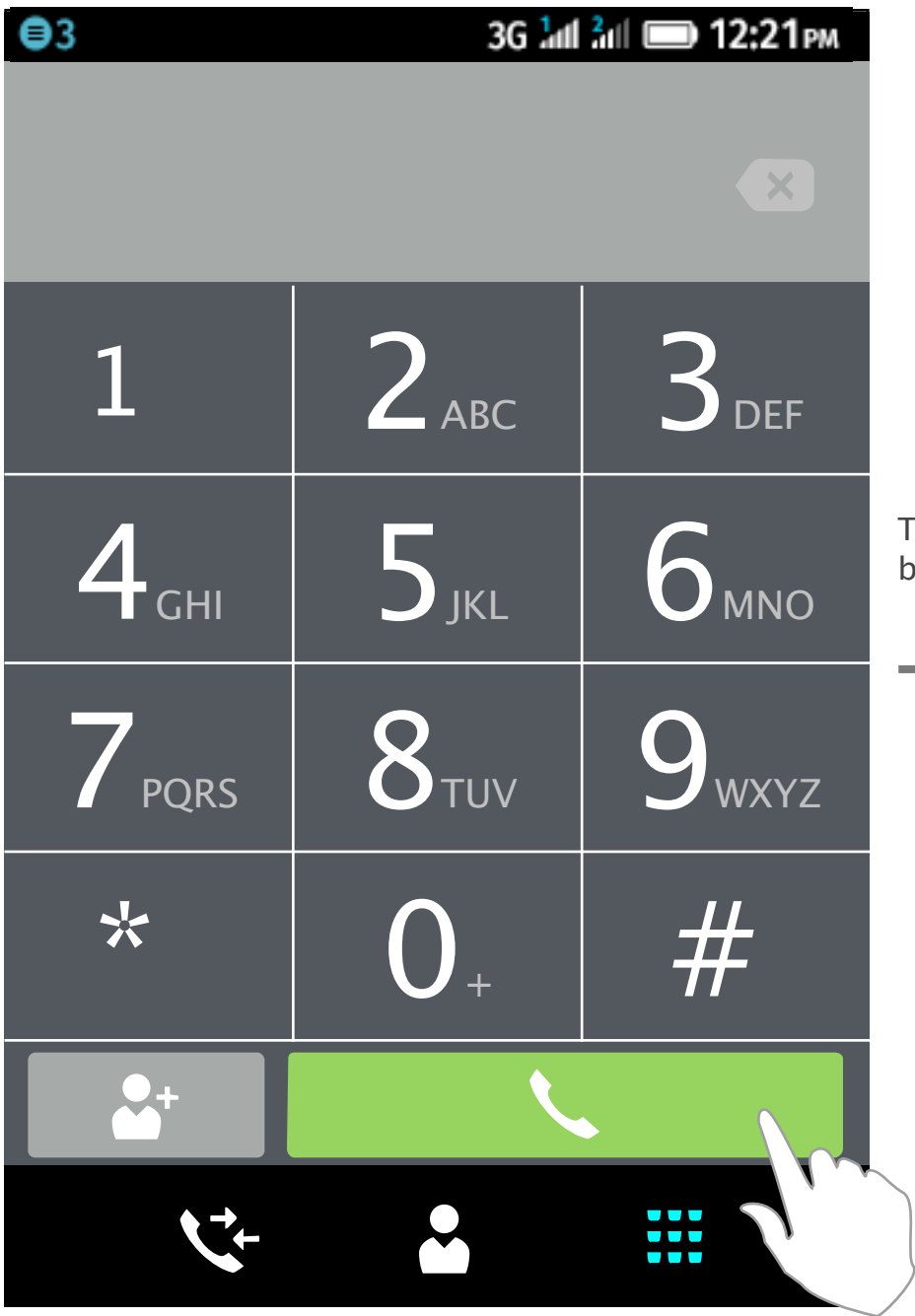
The call button can't be long-tapped and it won't show which SIM it is.

If the SIM is unlocked, the call will be placed directly after the user taps the call button.

# No numbers input yet

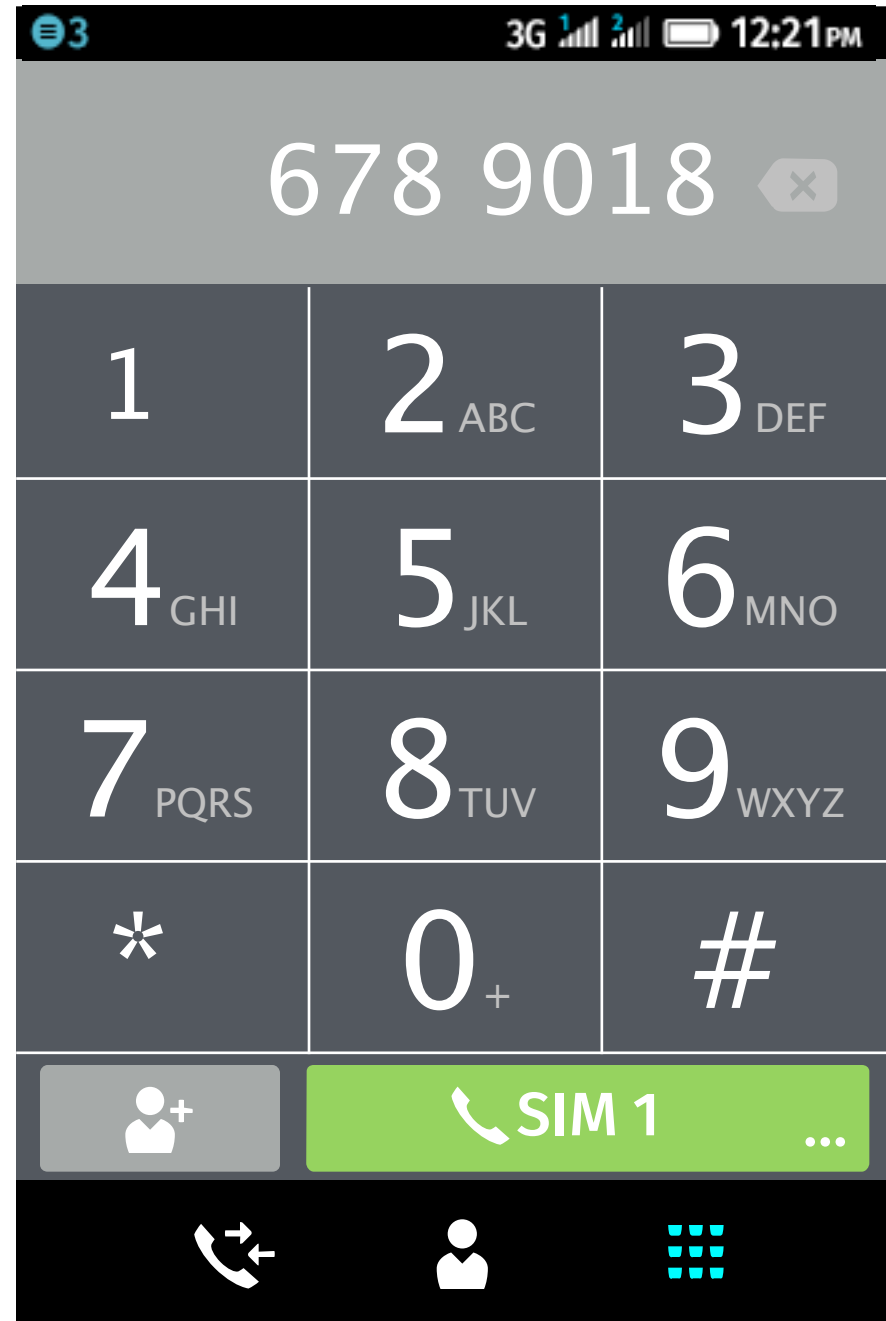
updated v 0.2

1.[Dialer]



Tap Call button

2.[Numbers input]



If there is no numbers input yet, the long-tap indication “...” will be grayed out and the long-tap function is disabled.

If the user long-taps the button, it has no reaction.

The last dialled numbers will be shown and the long-tap function is now enabled and the indication appears again.

**Note:**

If the user taps the call button without numbers input, the last dialled numbers will be shown, no matter it was placed via which SIM.

e.g. The call was dialled via SIM 2 (by on-the-fly SIM switch), but when the user taps the button shows “SIM 1” (primary SIM), the numbers (dialled via SIM 2) will still be displayed.

# User stories

p.22

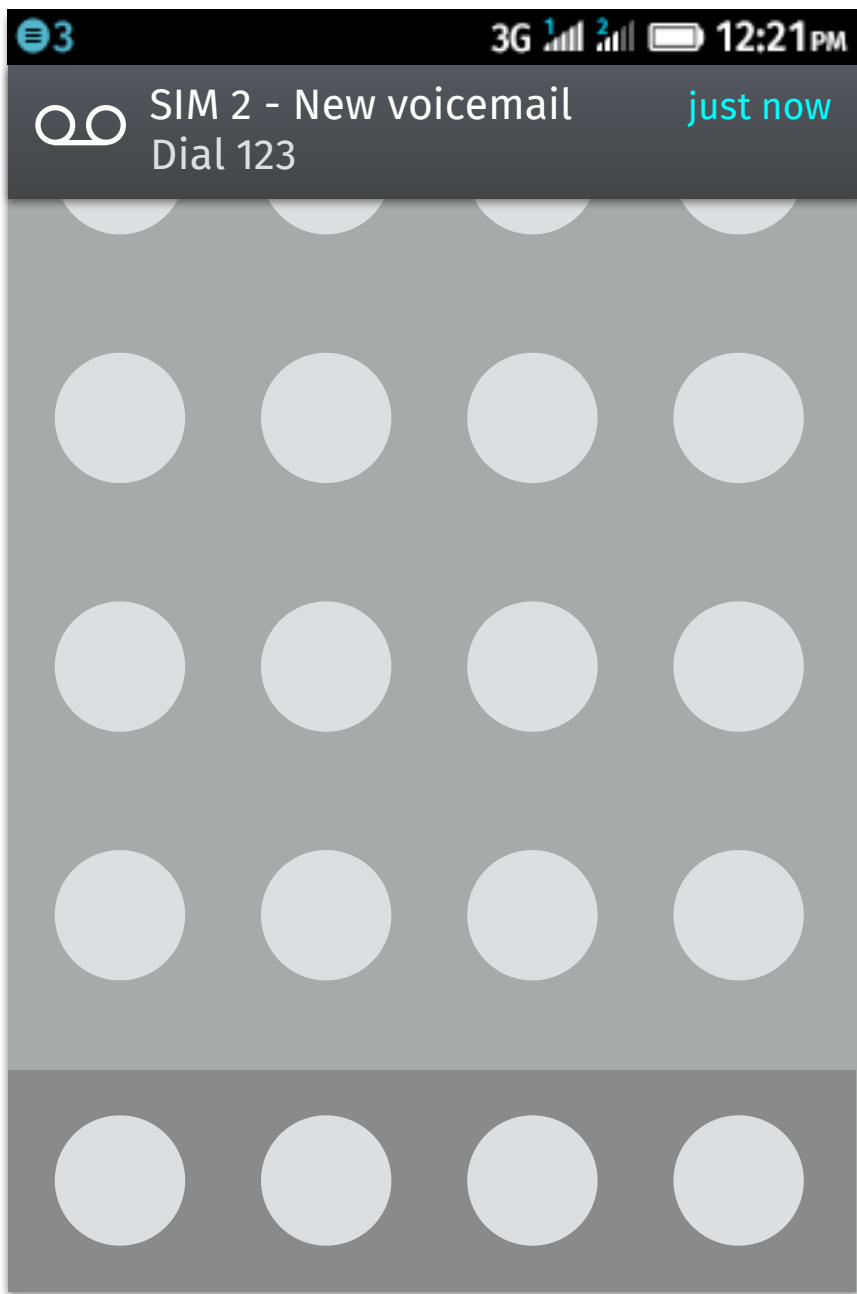
**As a user, when I tap the voicemail button, I want to be asked which SIM to use.**

AC1: I want the SIM choice for voicemail button to be shown every single time I tap the voicemail button

AC2: I want the default call option in setting not to be changed based on what I select for voicemail



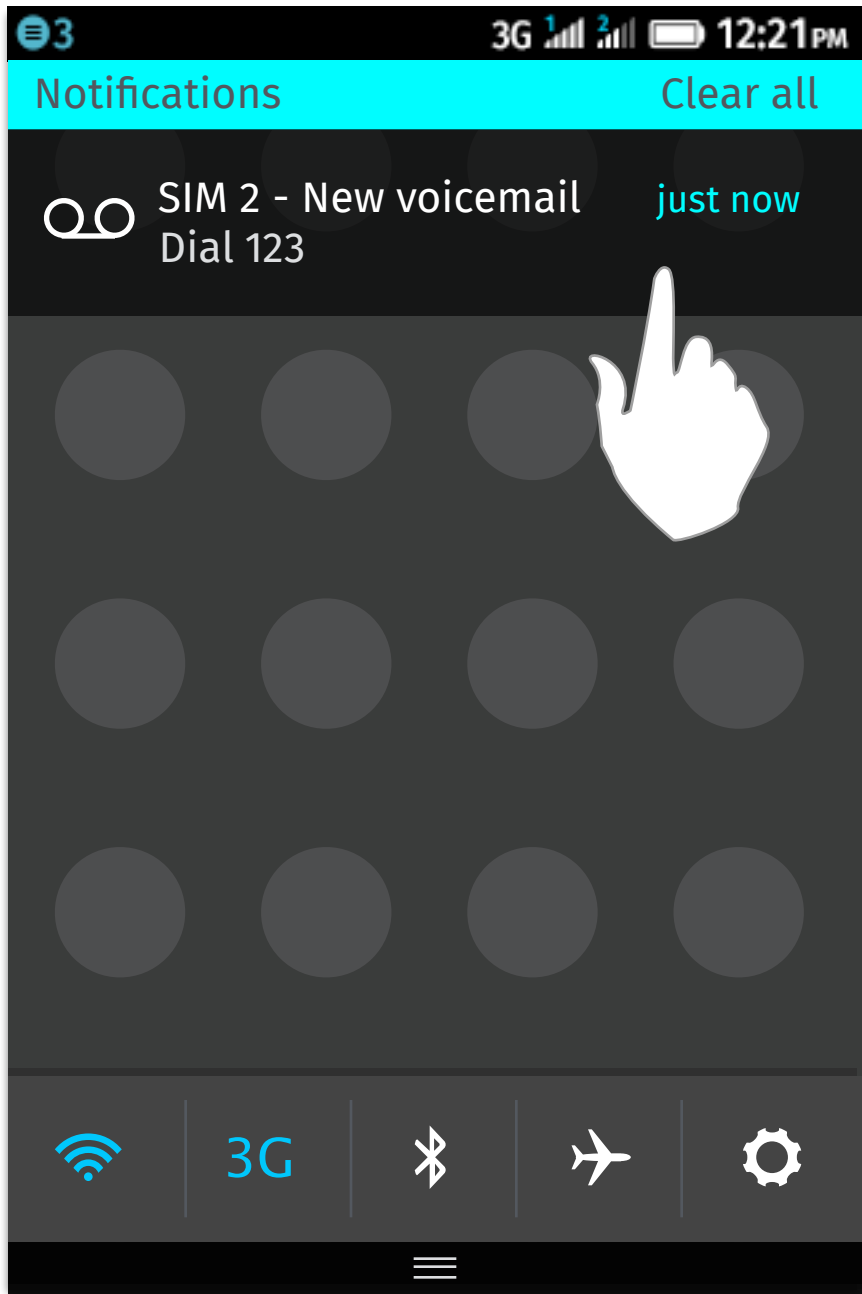
1. [SIM 2 has a voicemail]



SIM 2 has a voicemail and the notification drops down to indicate the user.

Drag down the utility tray

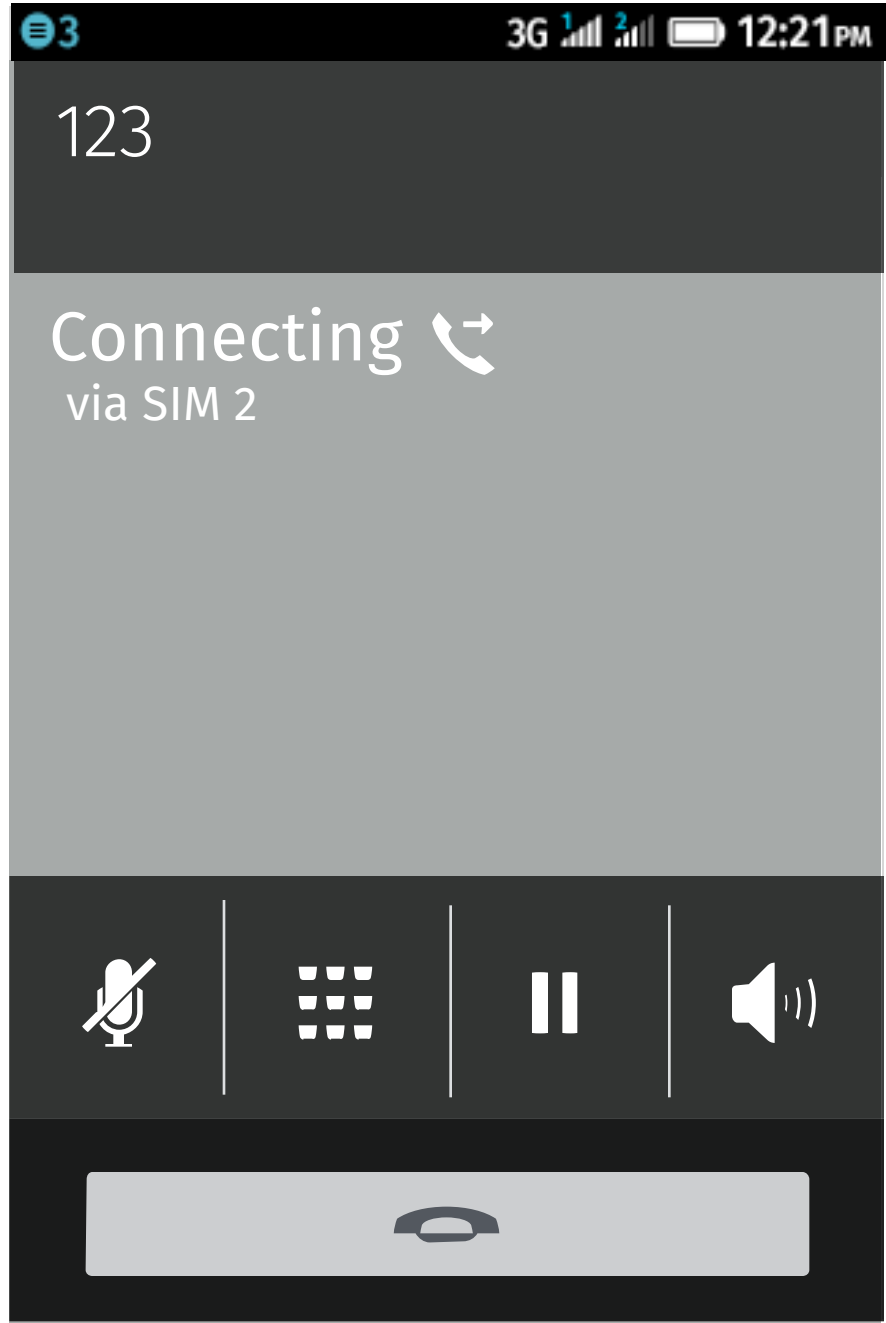
2. [Notification in utility tray]



The user can drag down the utility tray to check the notification and tap it to dial the voicemail.

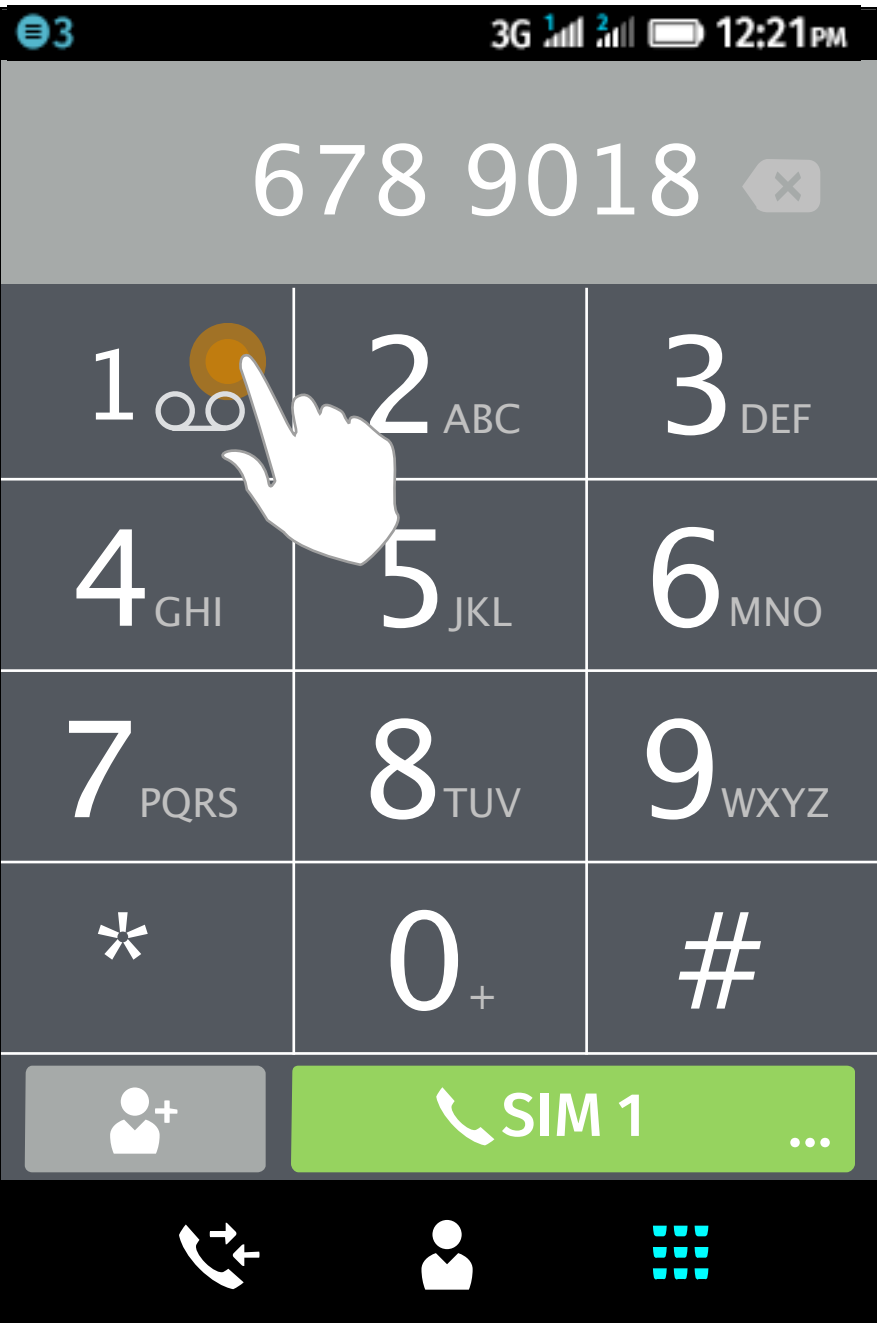
Tap the notification

3. [Call page]



The call will be dialled out via the SIM that received the voicemail.

1. [Dialer]

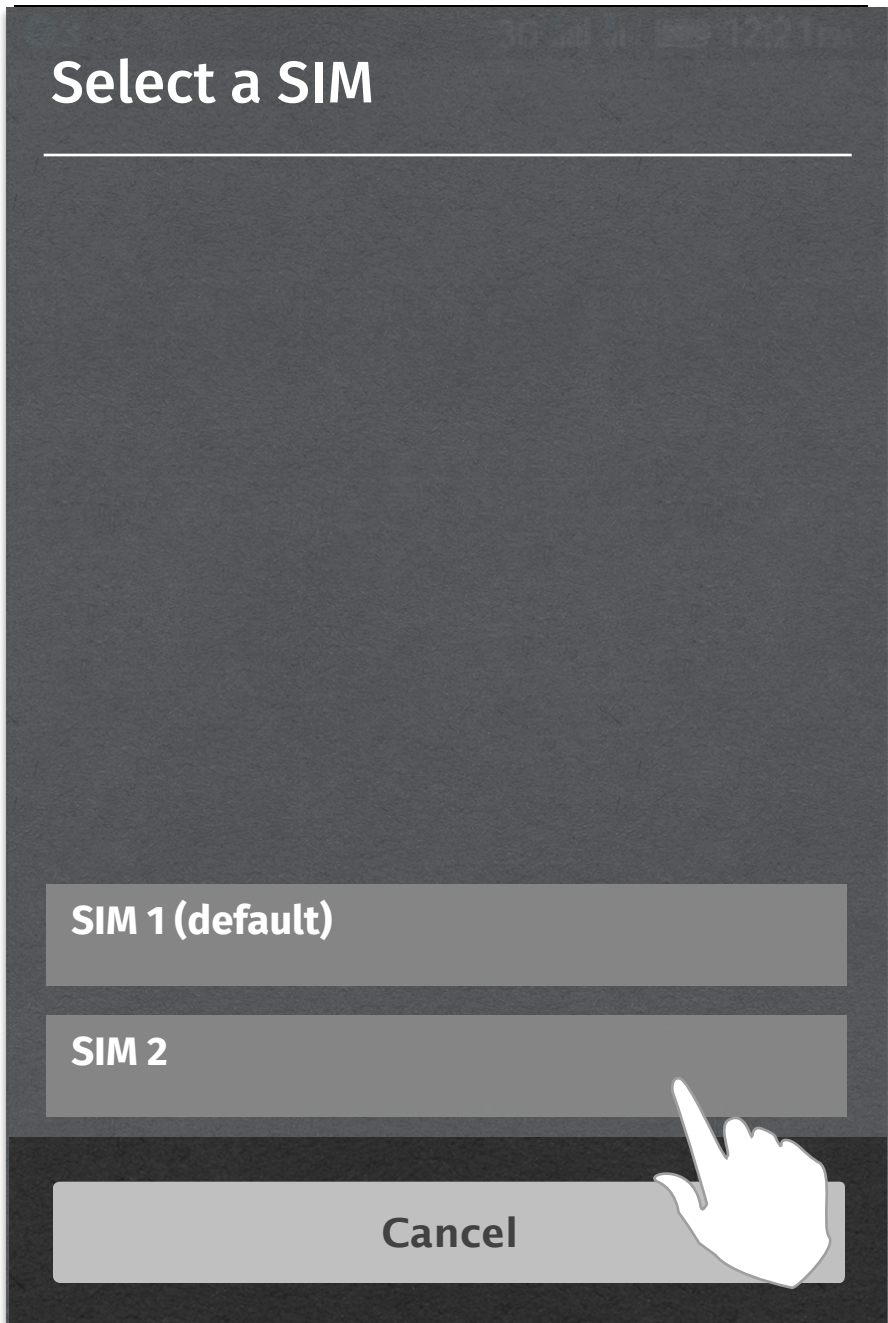


long-tap the  
voicemail key

The user wants to check the voicemail.

Whether the SIM indication on call button shows up or not will depend on the primary SIM settings in SIM manager.

2. [SIM picker]

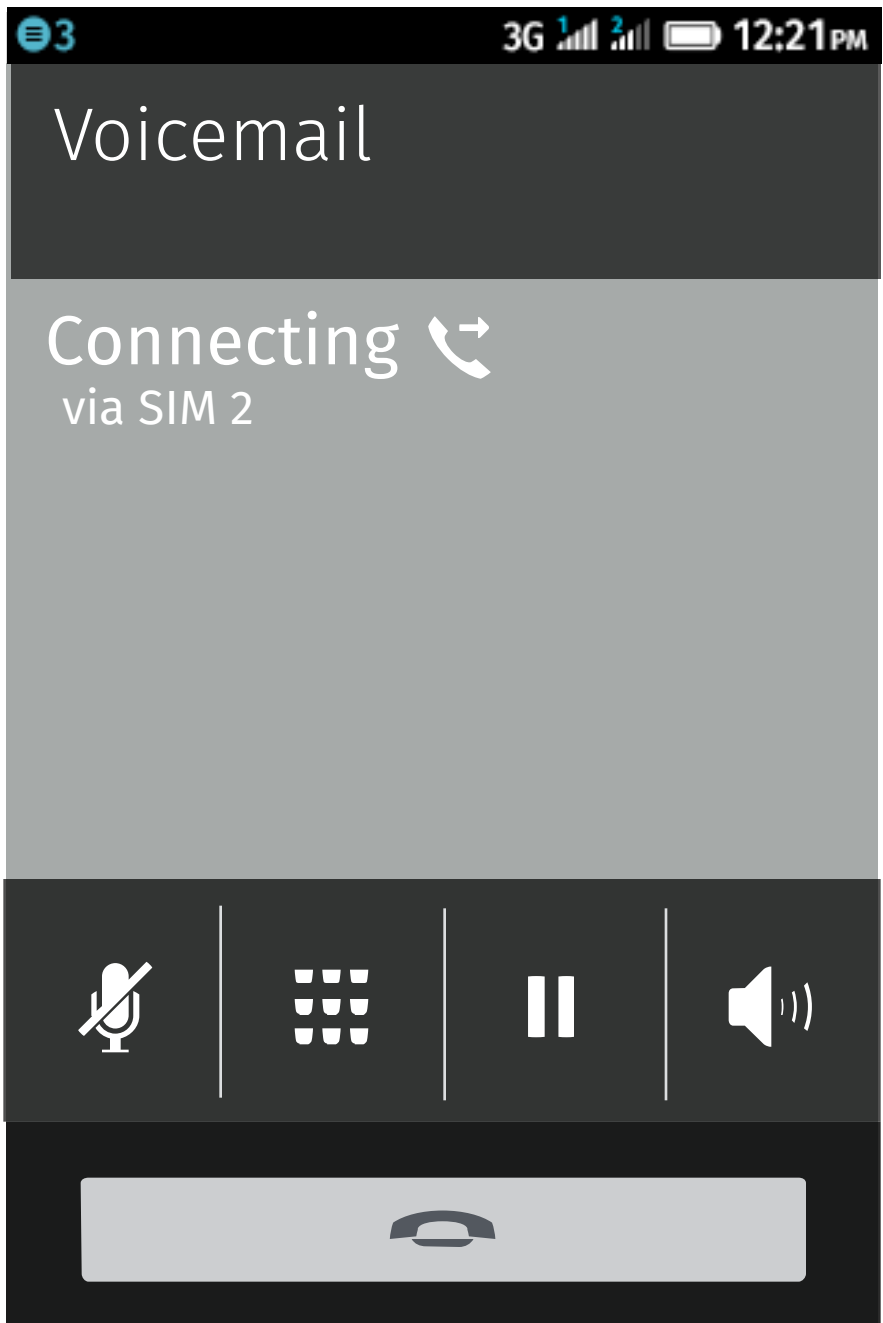


tap SIM 2

The action menu pops up. The user can select a SIM for voicemail.

Whether the “(Default)” indication shows up or not will depend on the primary SIM settings in SIM manager.

3. [Call page]



The call is dialled out via SIM 2 to to get the voicemail.

# Thanks!

from your friends at Mozilla UX!