

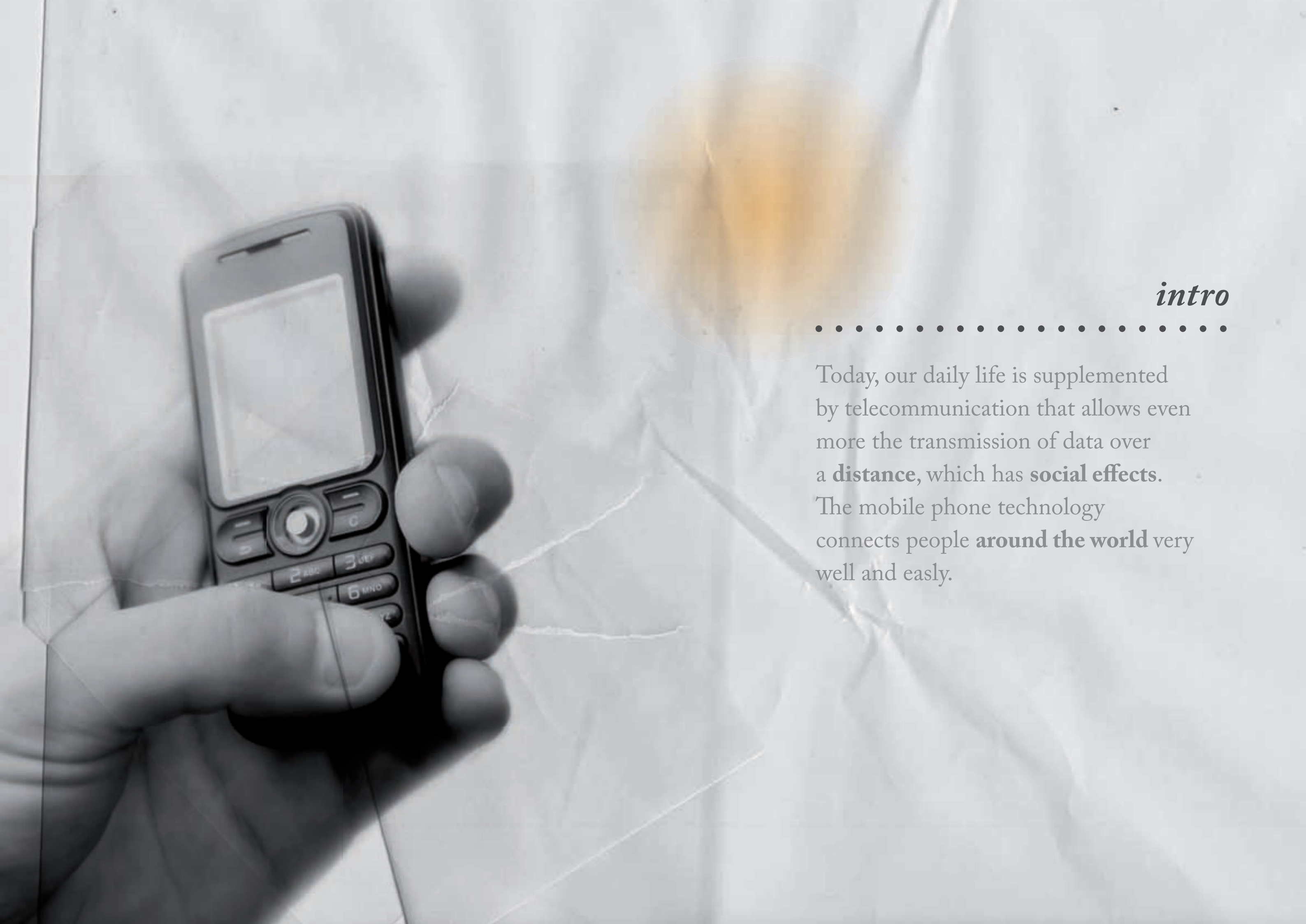


# *liaison*

.....

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lab. di prototipazione di artefatti interattivi  
a.a. 2008|2009  
philip tabor  
gillian crampton smith



## *intro*

.....

Today, our daily life is supplemented by telecommunication that allows even more the transmission of data over a **distance**, which has **social effects**. The mobile phone technology connects people **around the world** very well and easily.



## *aims and mood*

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*liaison* consists in a **pair of houses** used by two partners which are living separatly.

The **domestic intimacy** is the most suitable context where to use *liaison*, because it's an object very **suggestive and poetic** that create a "soft atmosphere".







## *users and stakeholders*

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The users are two persons  
**sentimentally linked:** lovers, mother  
and son, people who live far from home,  
two good friends, etc., ...

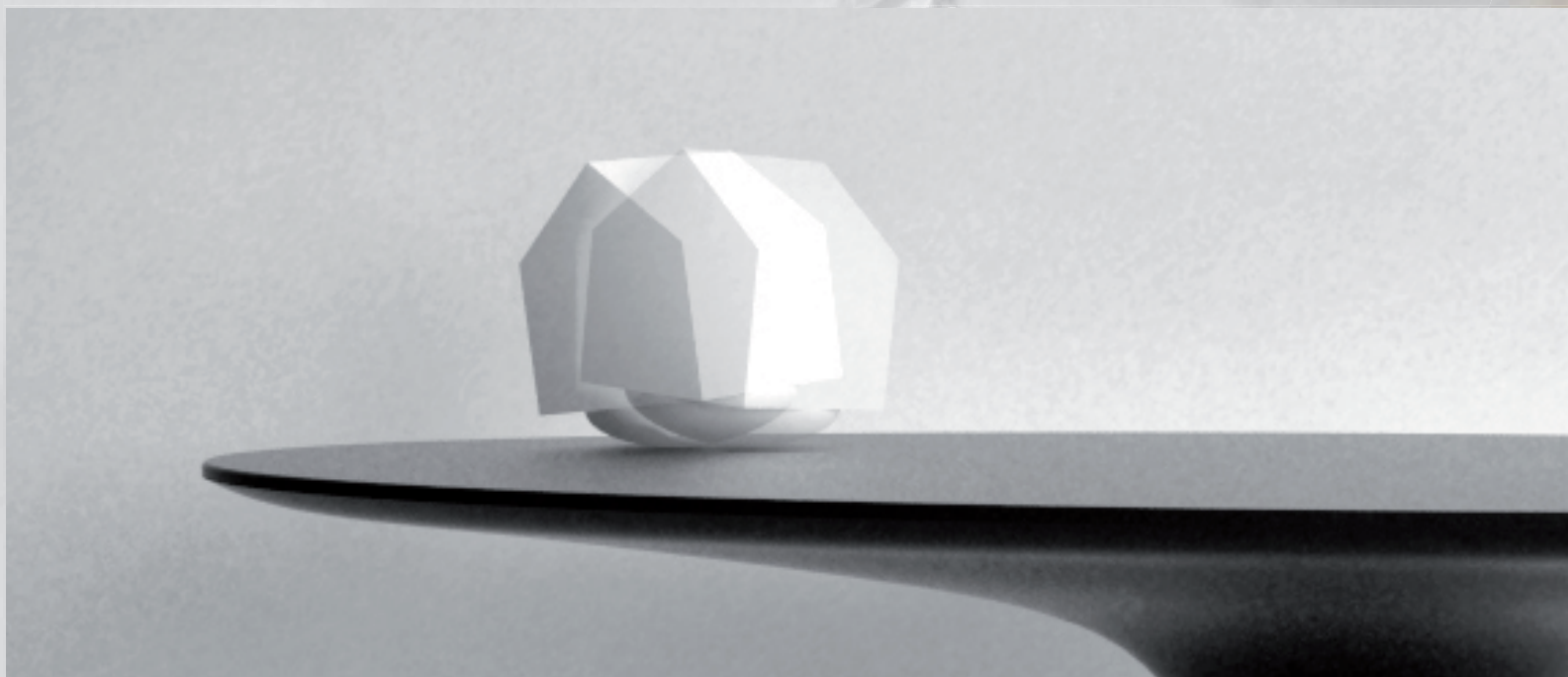
The stakeholders are the **sellers**  
and people who live in the same house  
where the object is used.



## *first drawings*

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Render models of the three houses made  
in different materials: **paper, ceramic,  
plexiglass.**







## *detailed design*

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In this phase we made a **lot of different models** to analized the **most suitable materials and shapes** to have the best light effect and interaction.







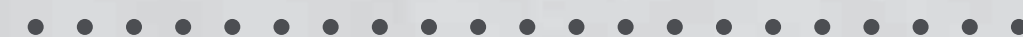
.....

*liaison* is a set of houses used in pair connected by **Wi-Fi** and made in **different materials**: paper, ceramic and plastic. Each of them have a **specific interaction**.





*paper model*







## *scenario*

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**Users:** Sofia and Feng

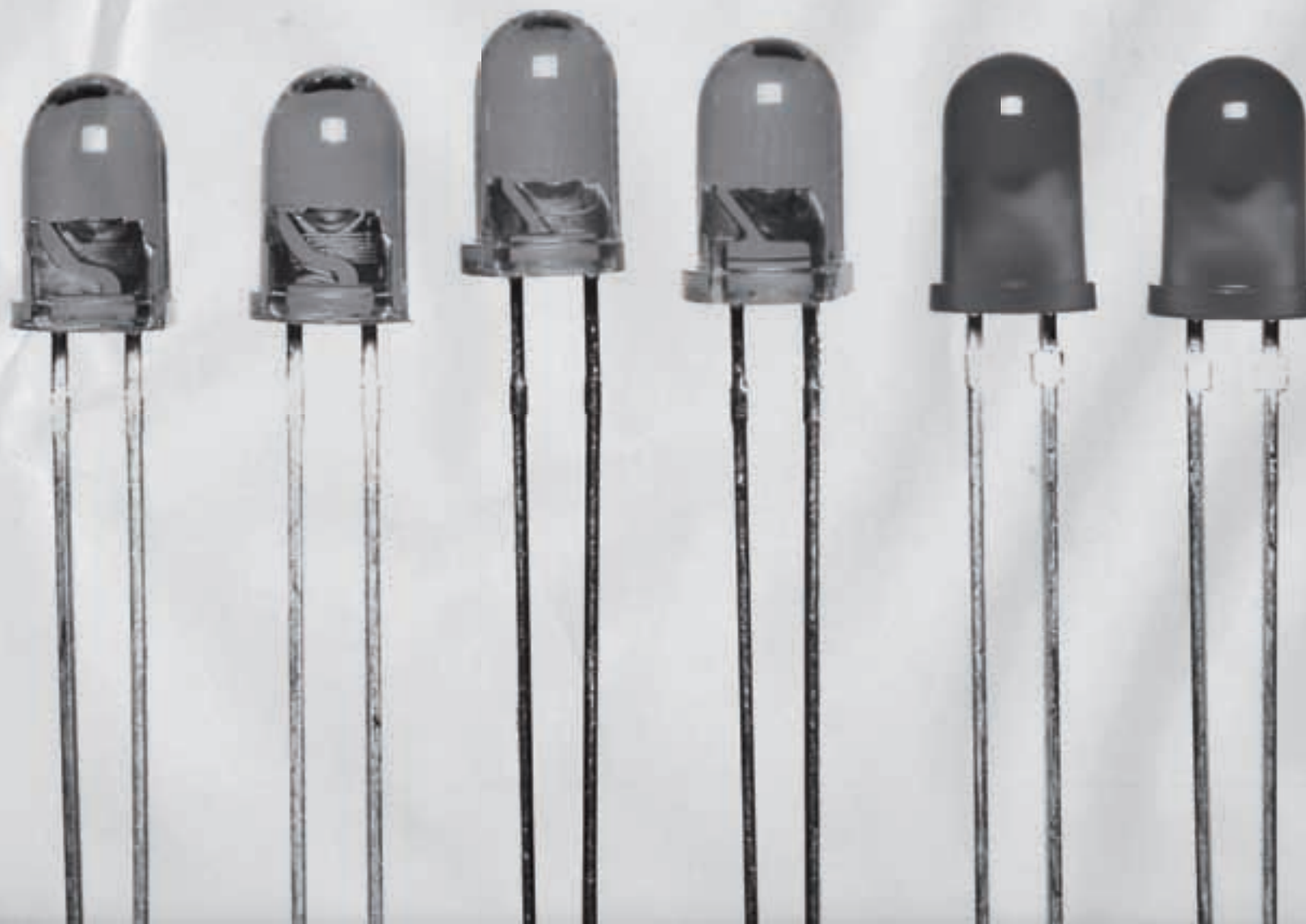
**Category:** two lovers who live in different countries

**Reason:** they use ***liaison*** to have another way to stay in touch in a very poetic and suggestive way

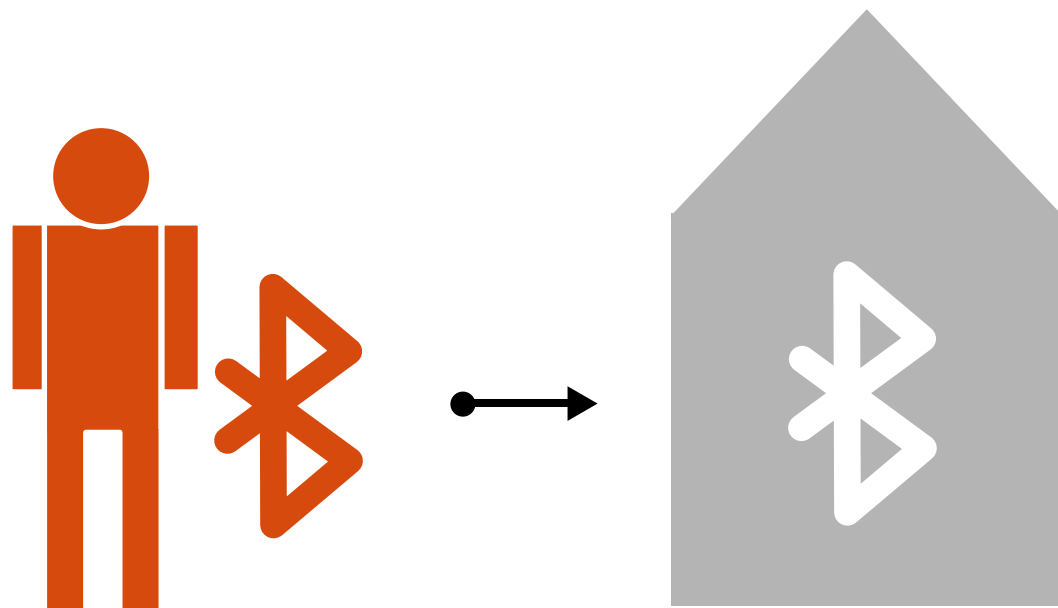
## *ideal telecommunications*

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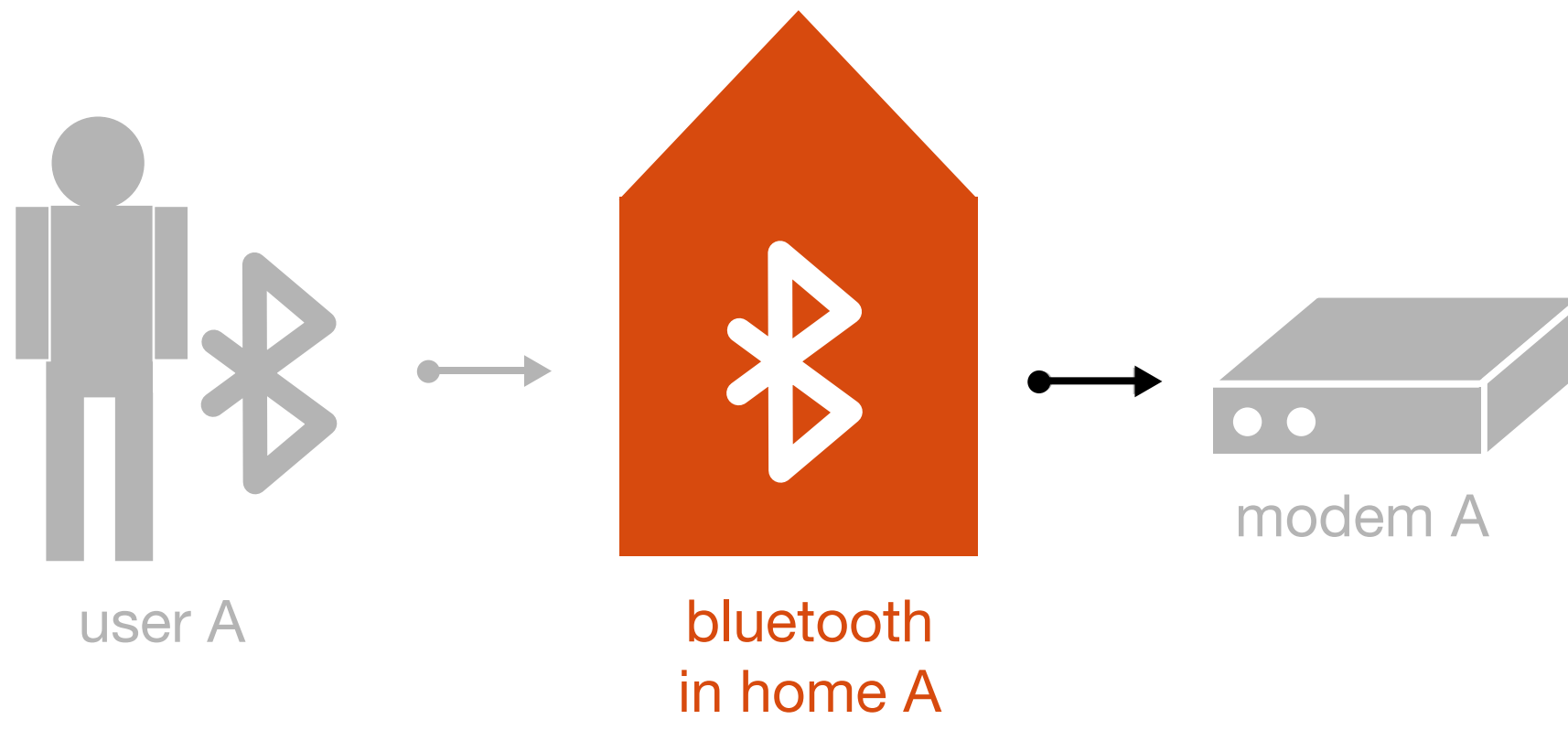
In this drawing we show the  
**telecommunication system** and the  
components of the **paper model**.



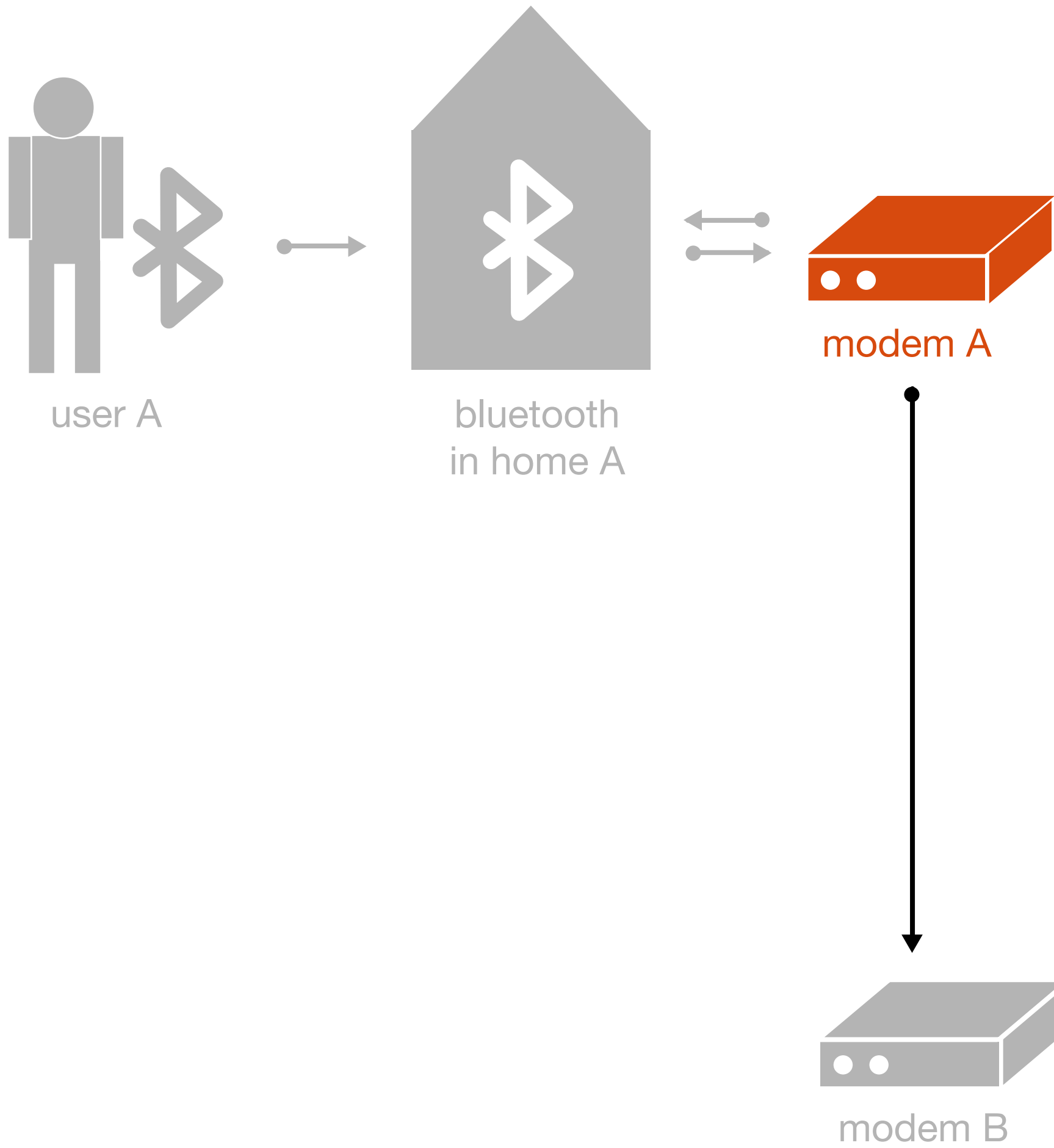


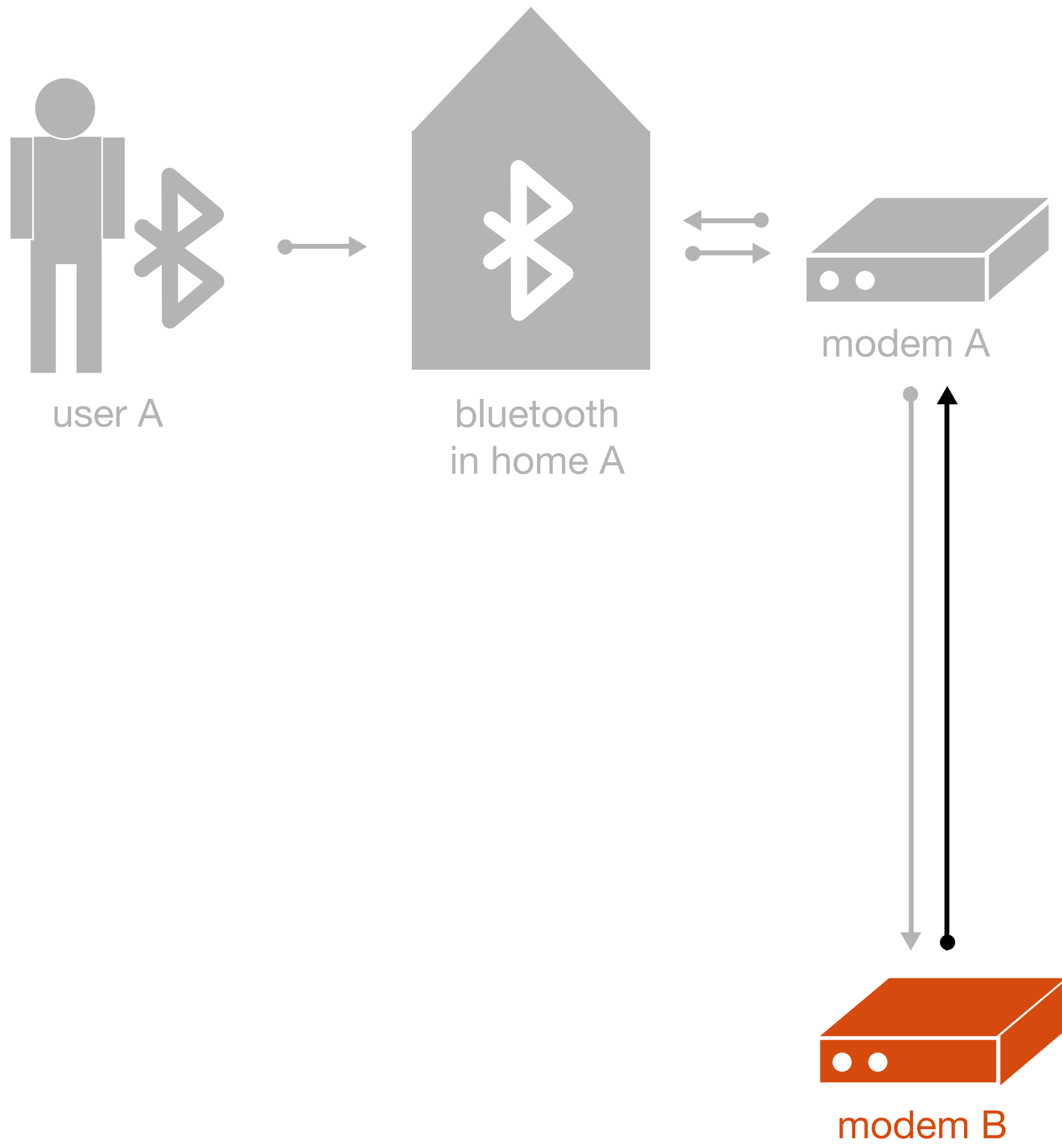


user A

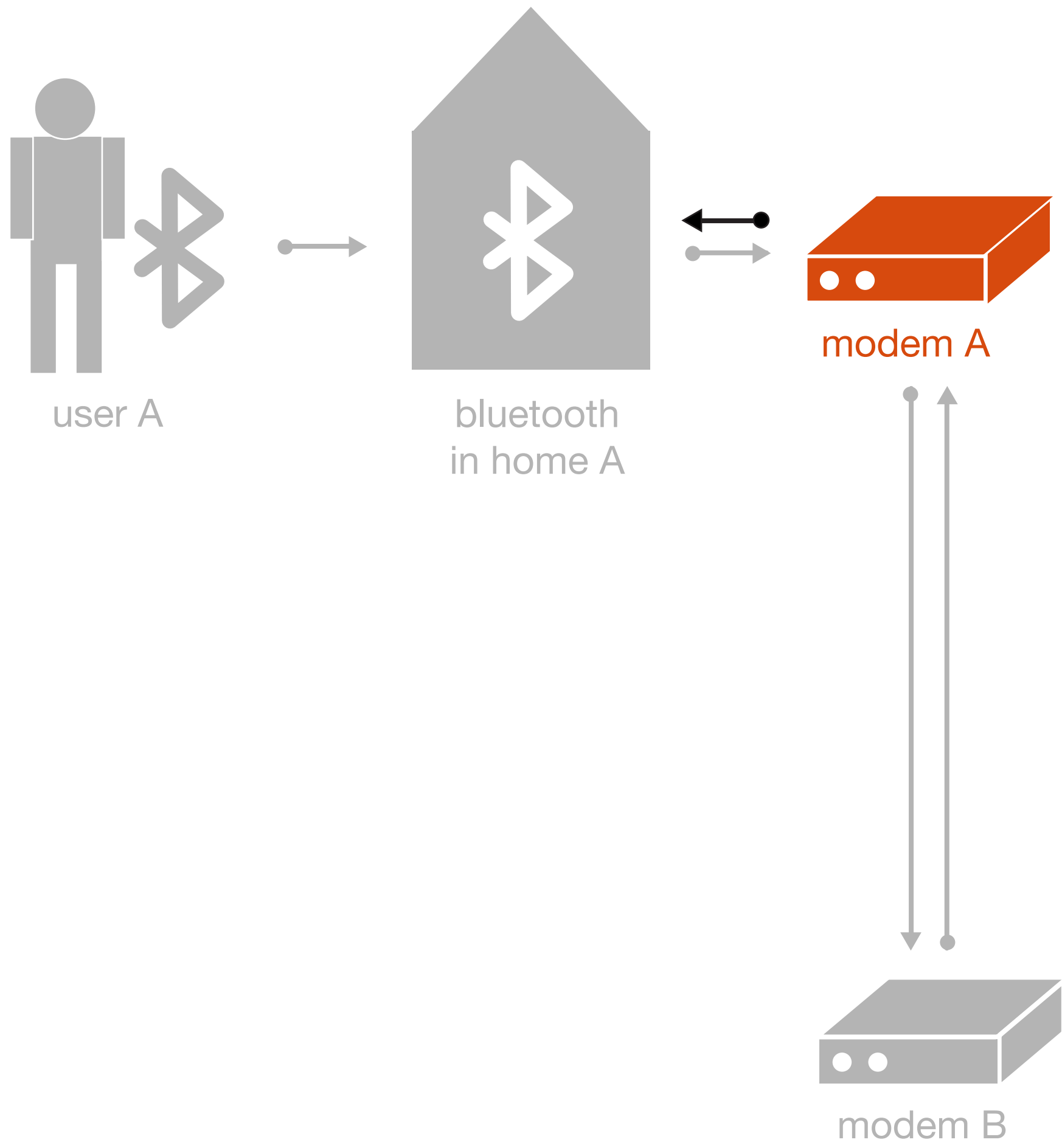


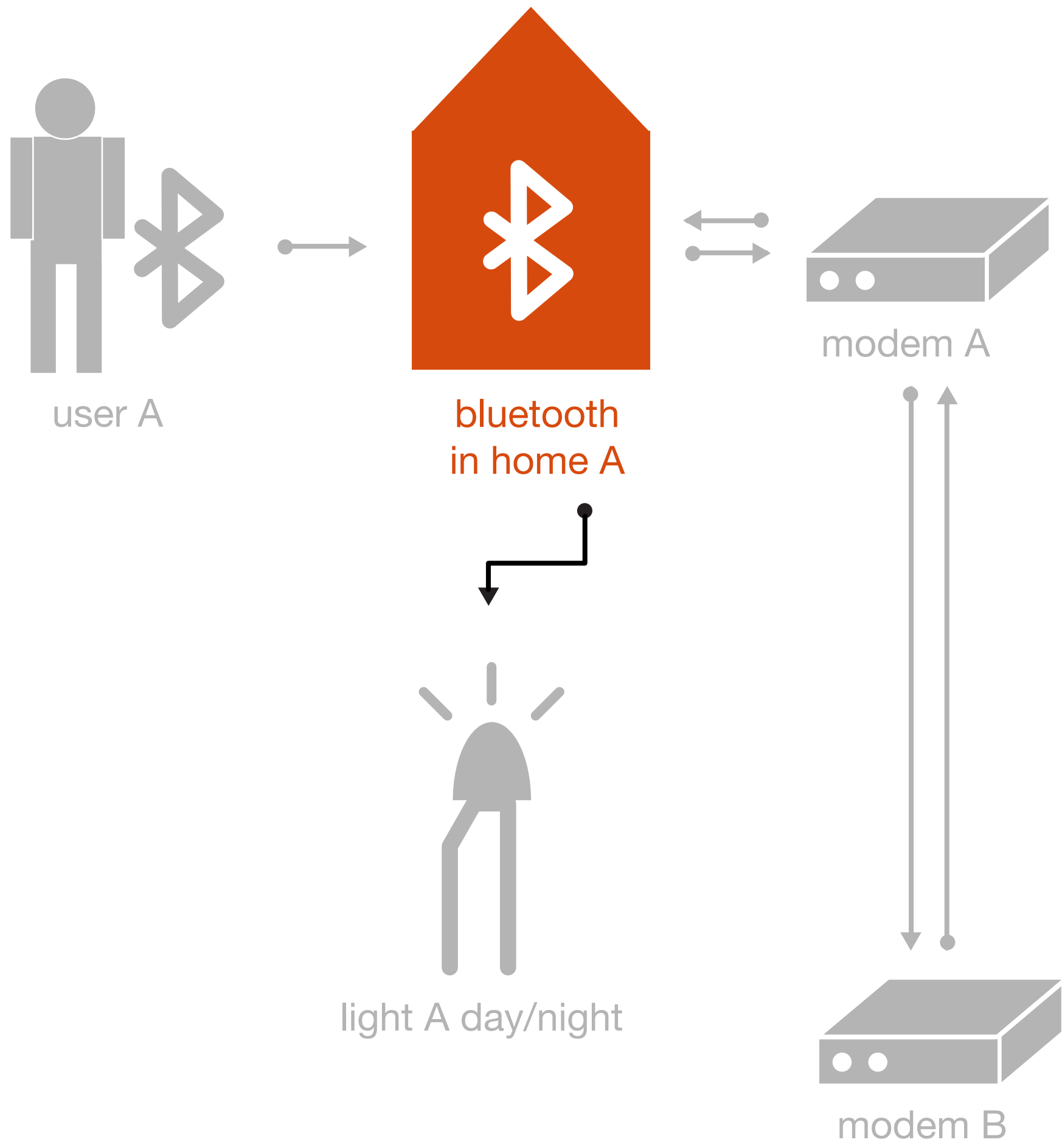




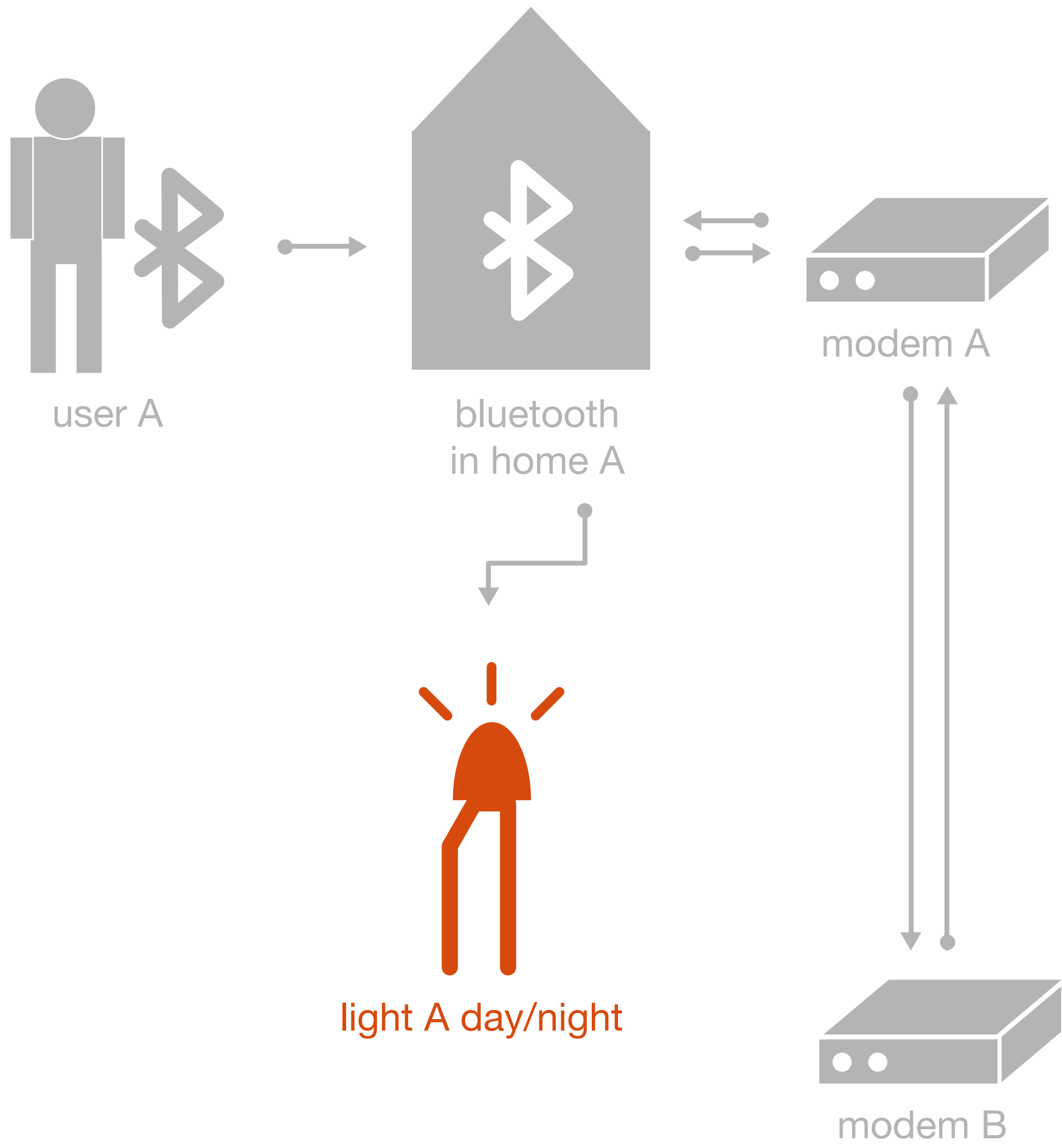


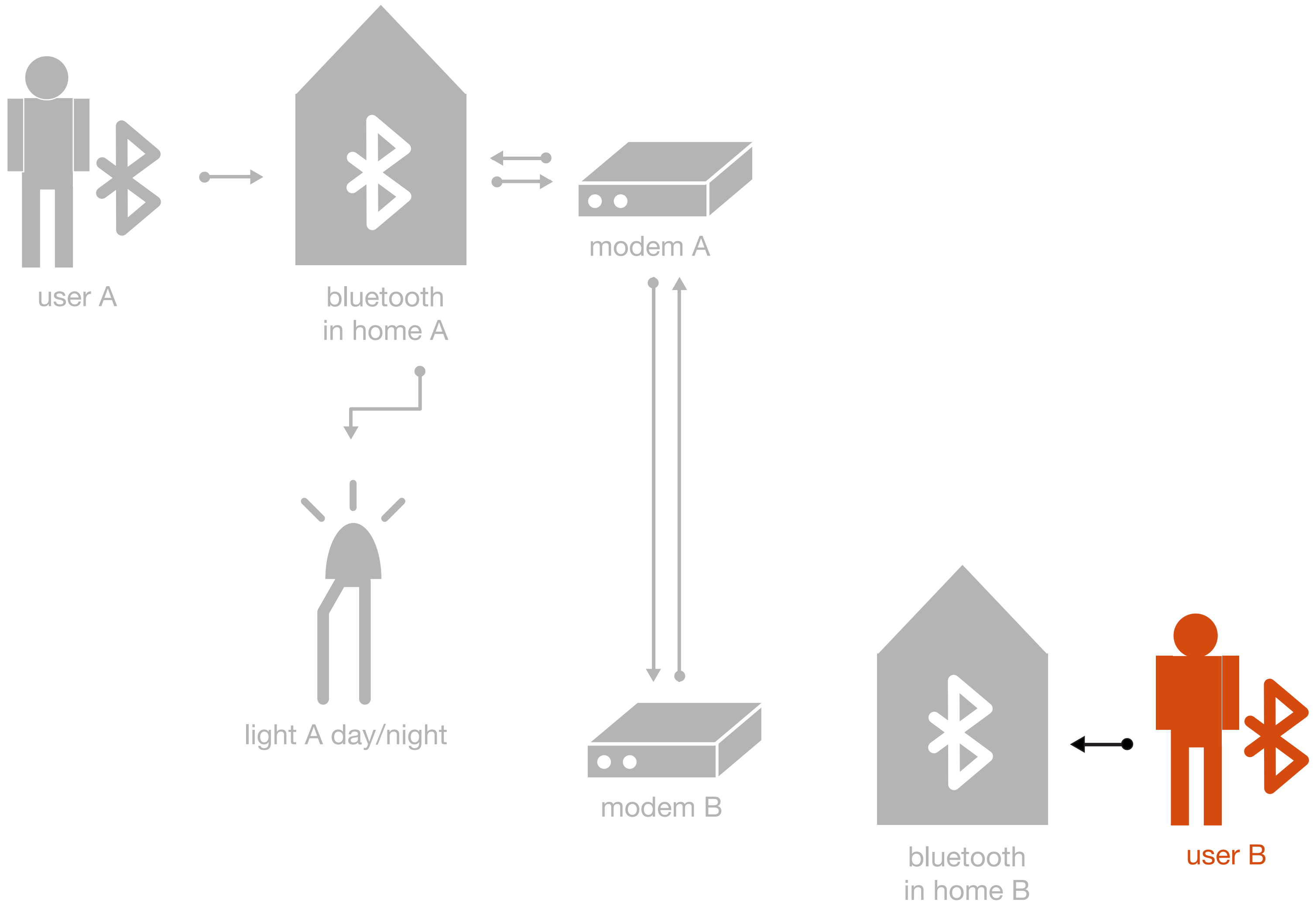




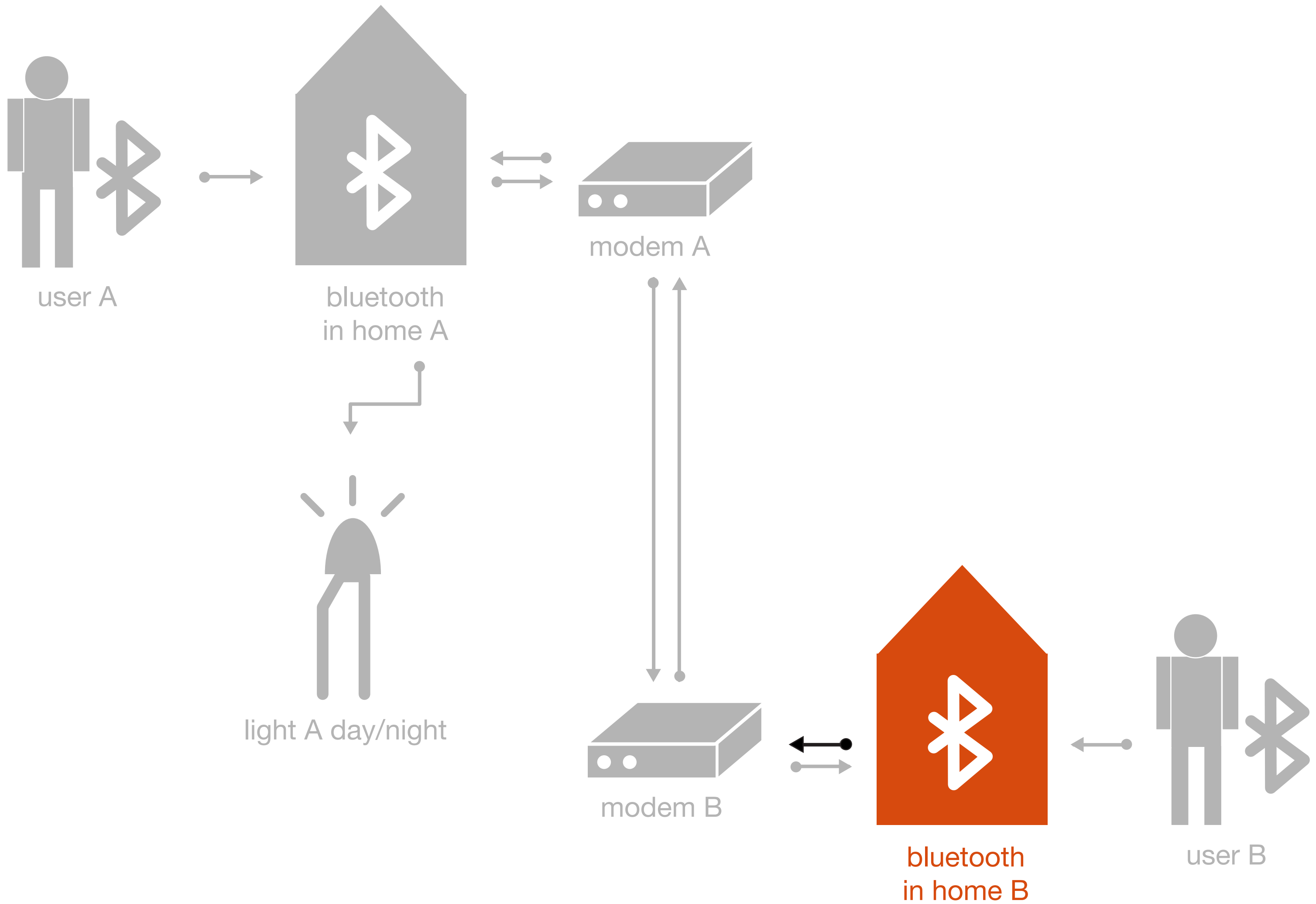


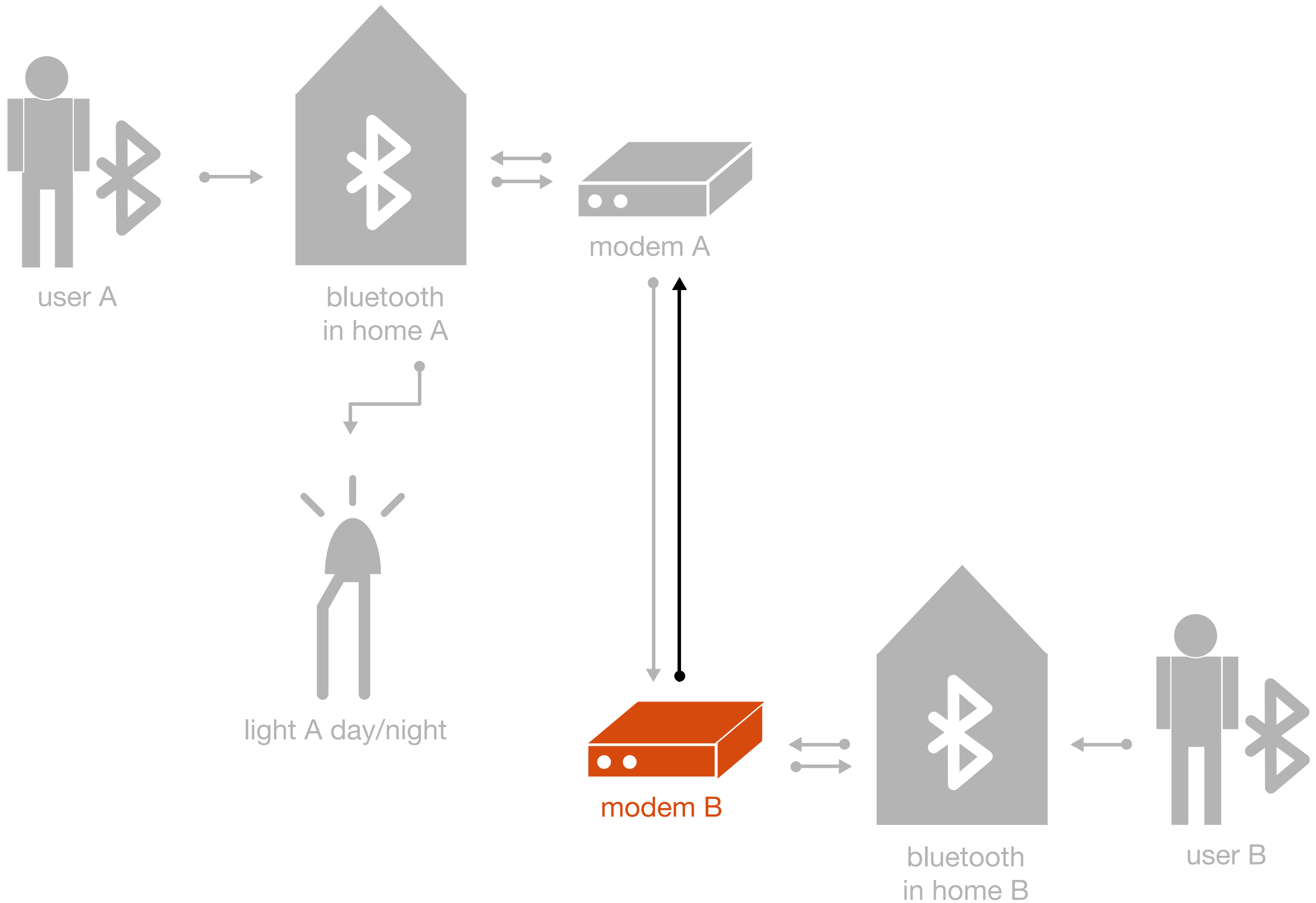


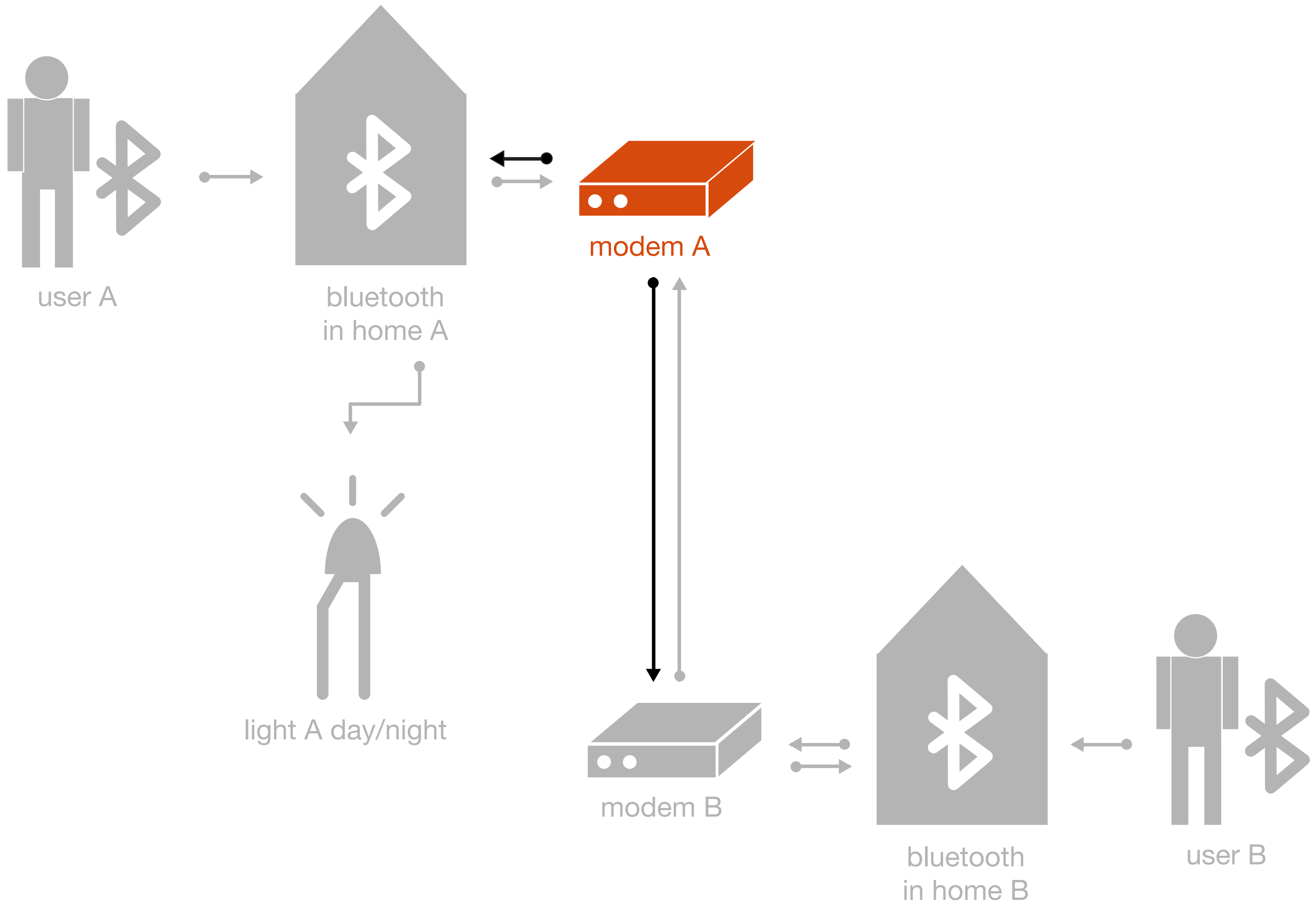




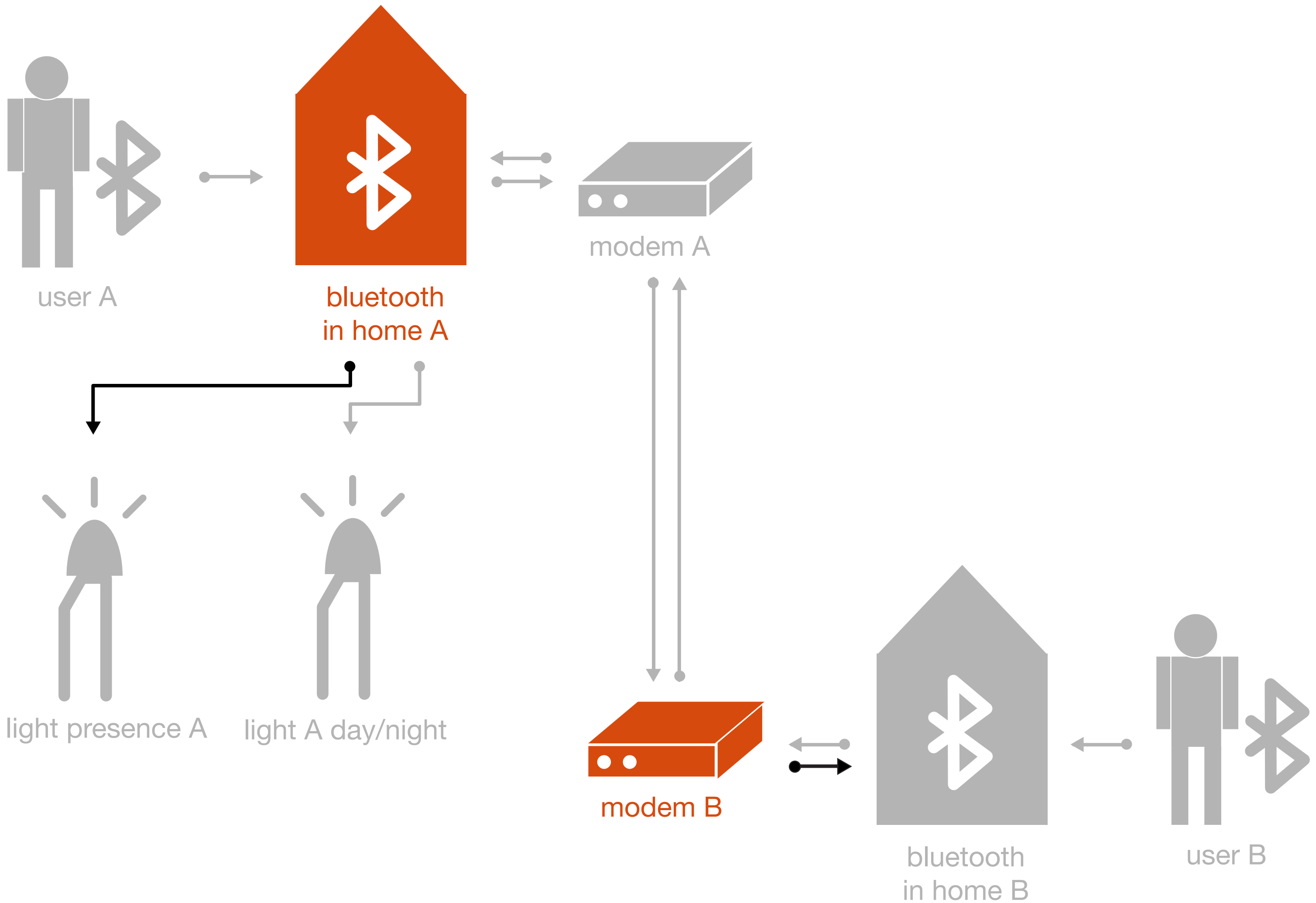


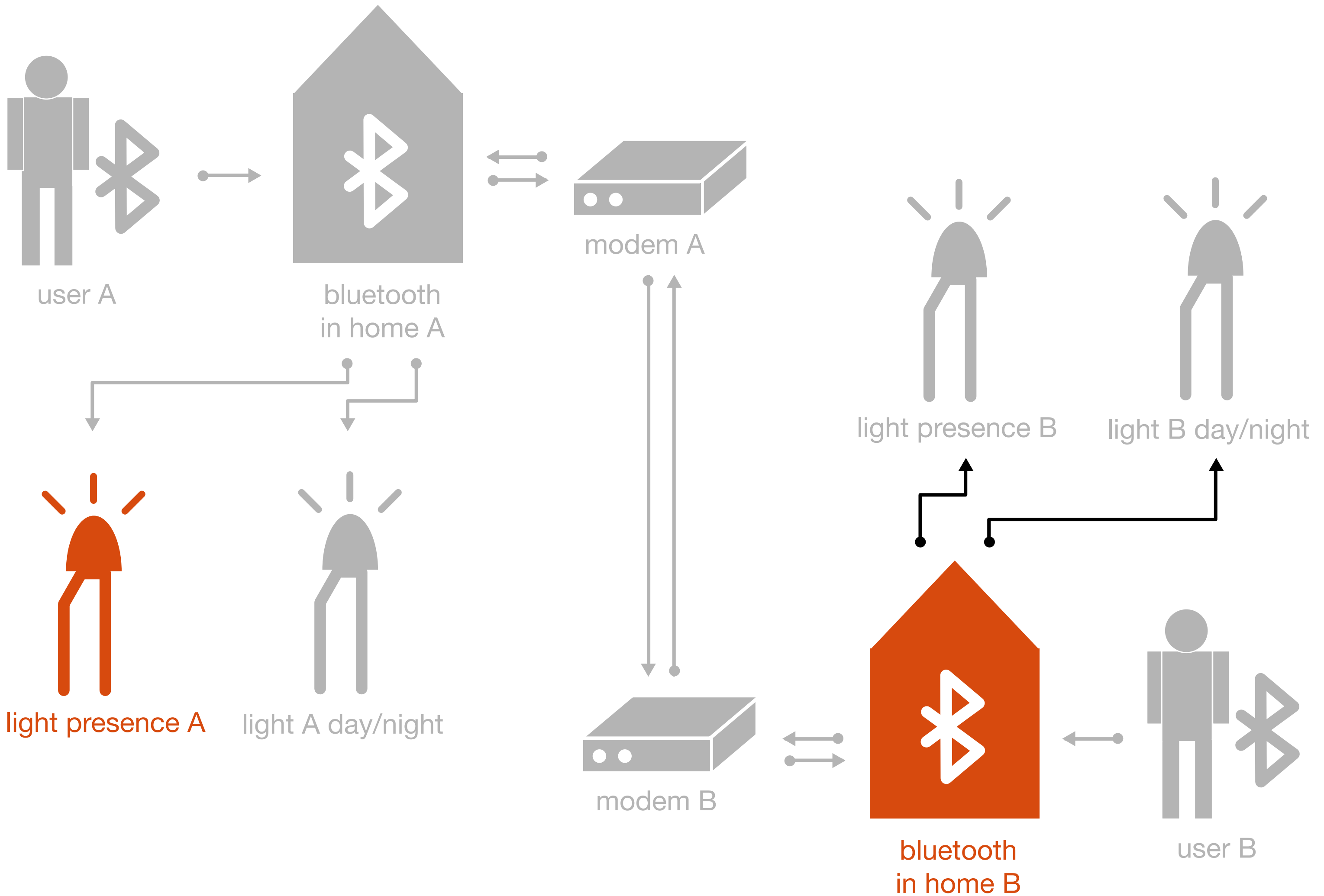


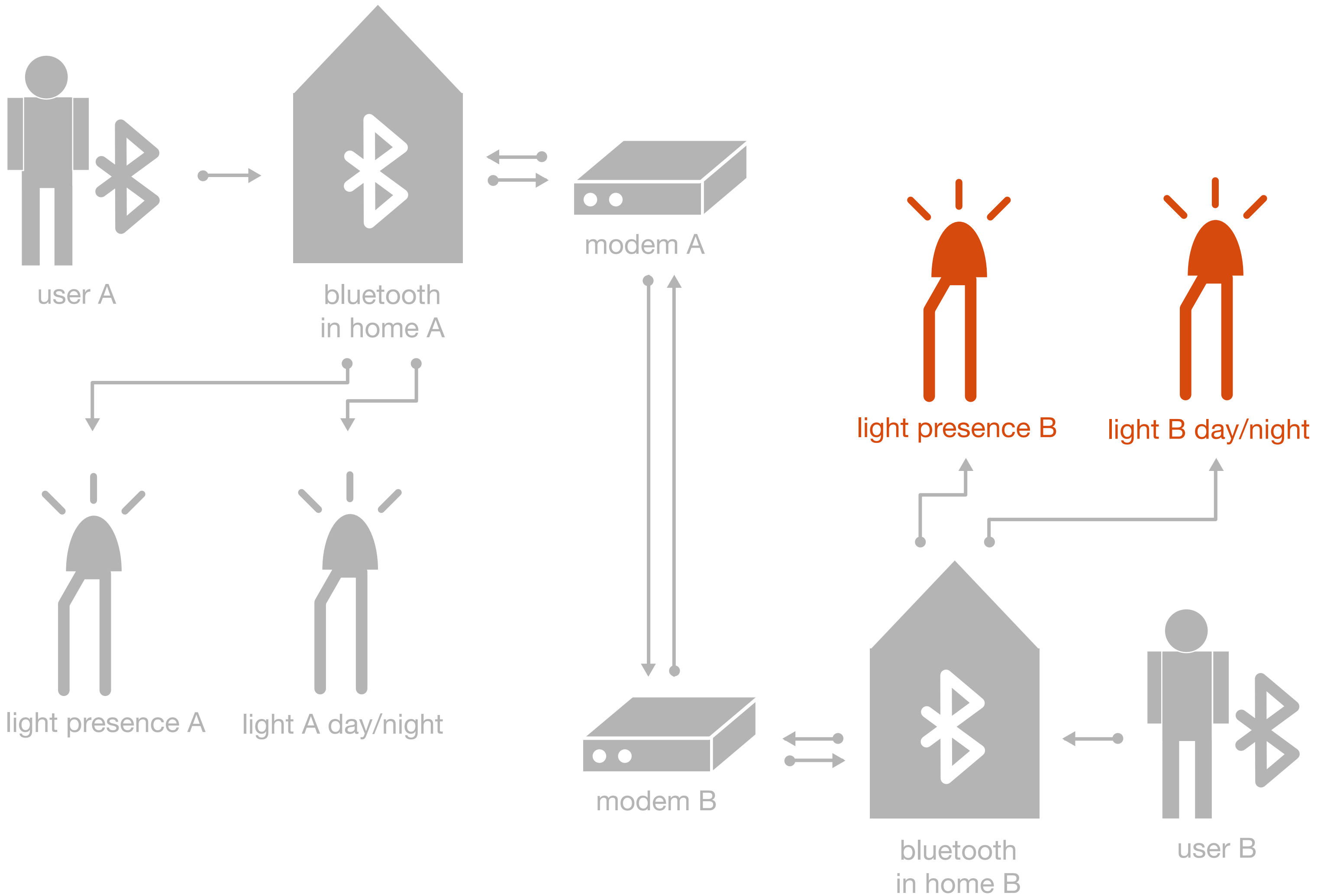




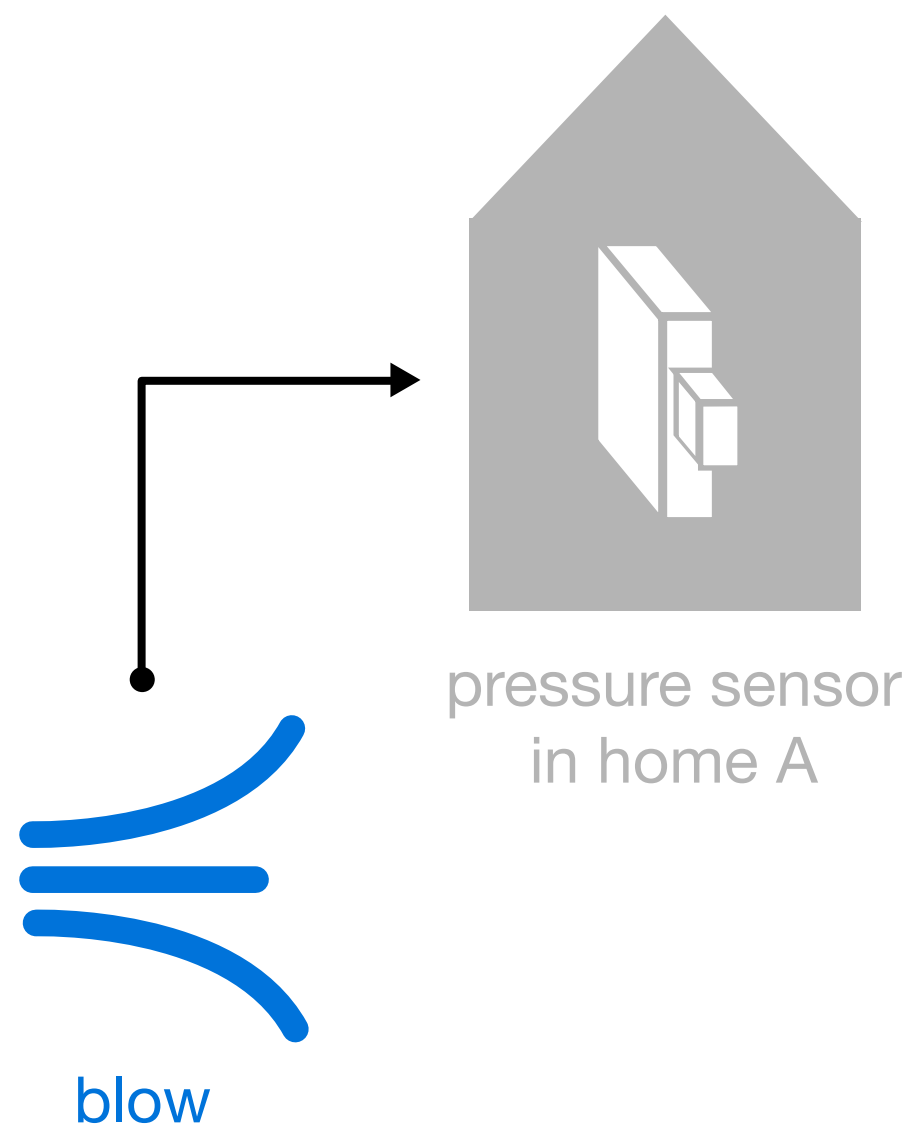


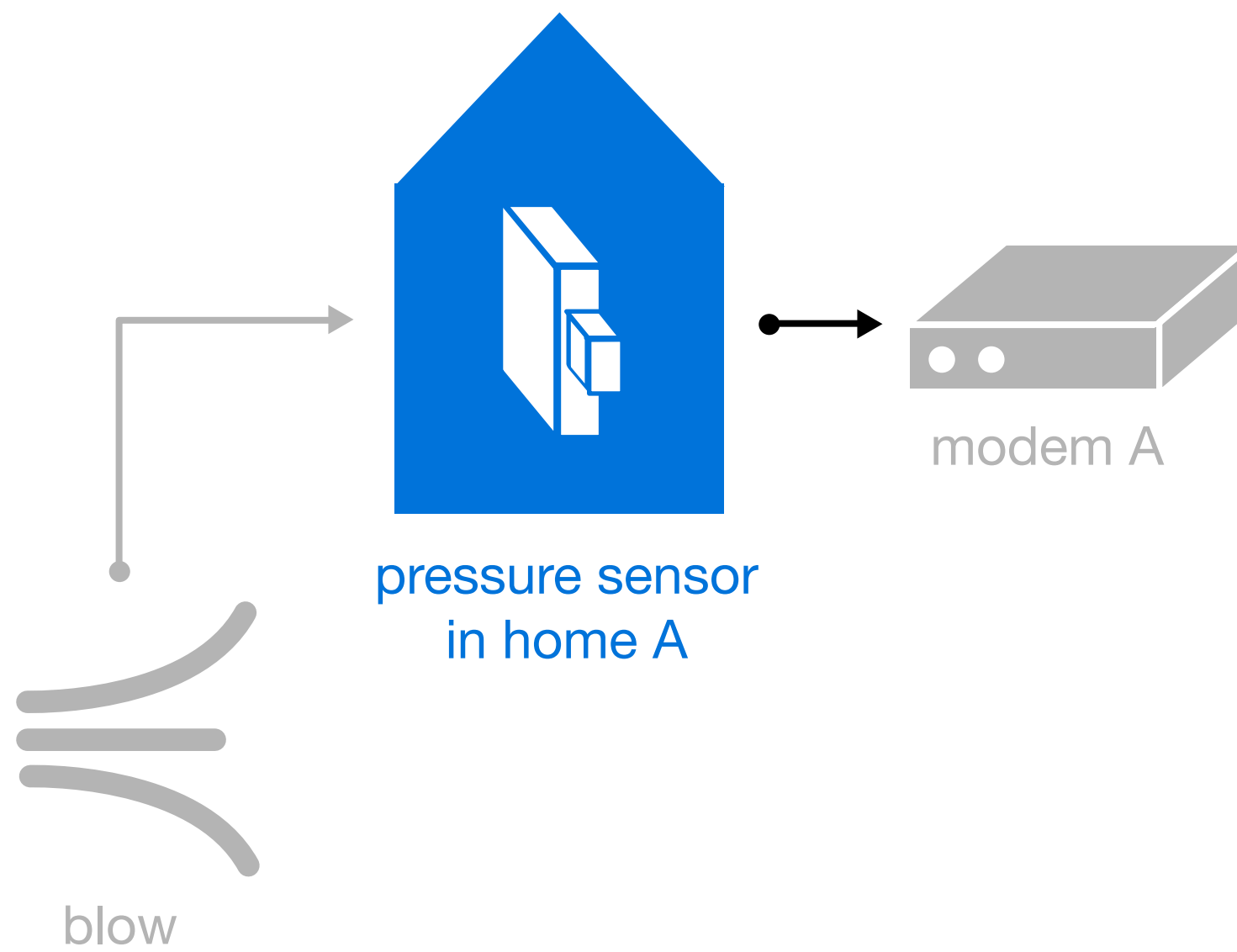


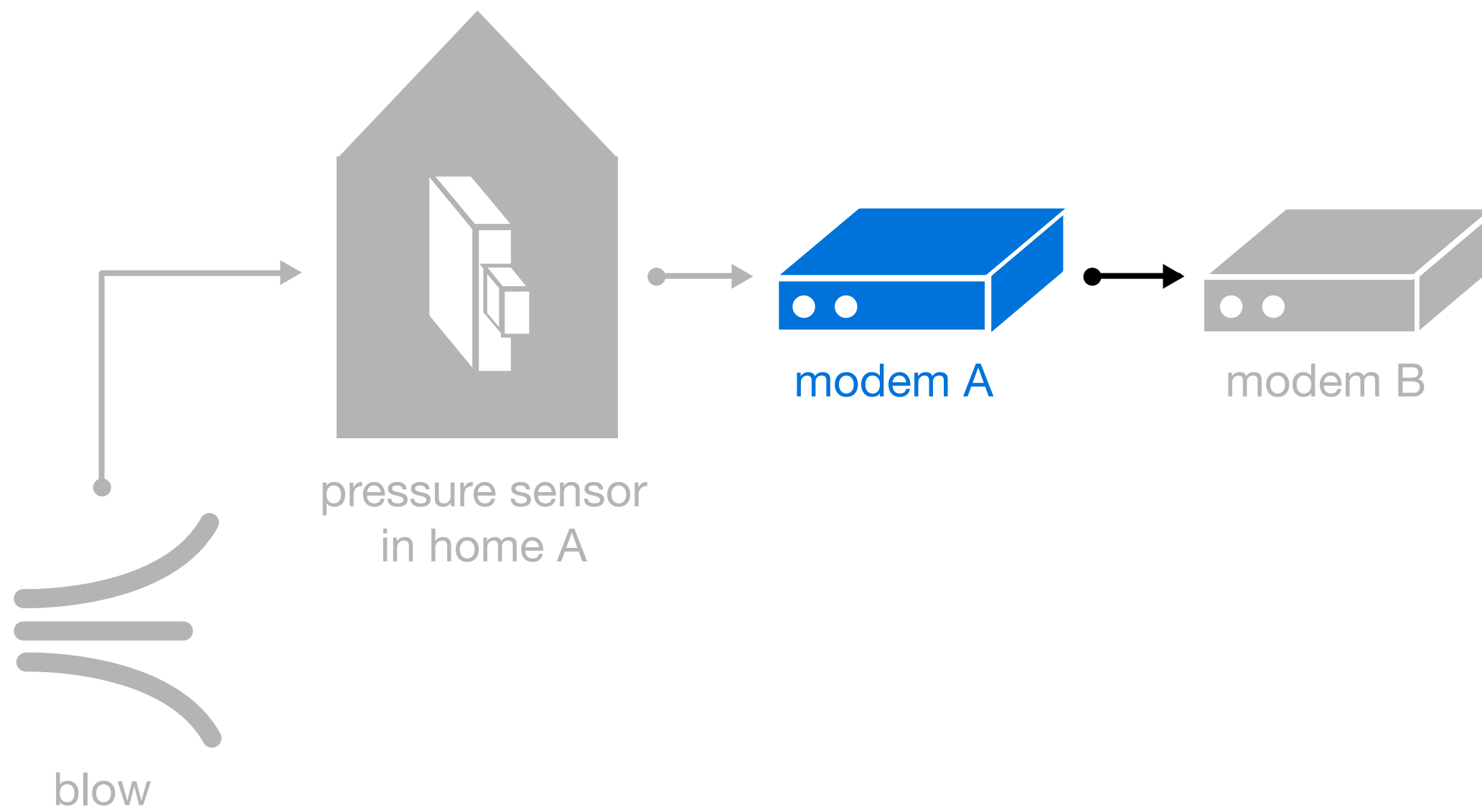




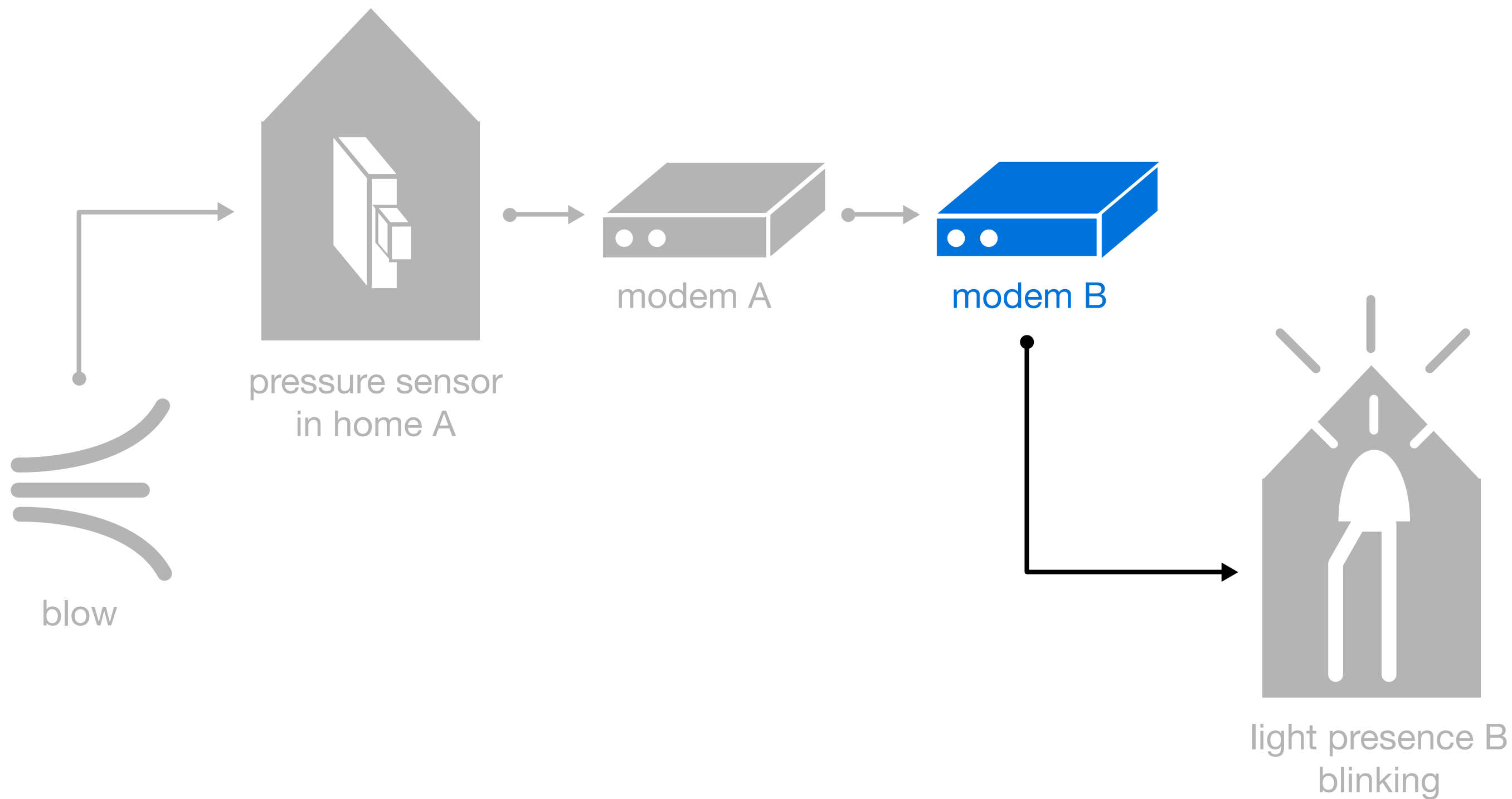


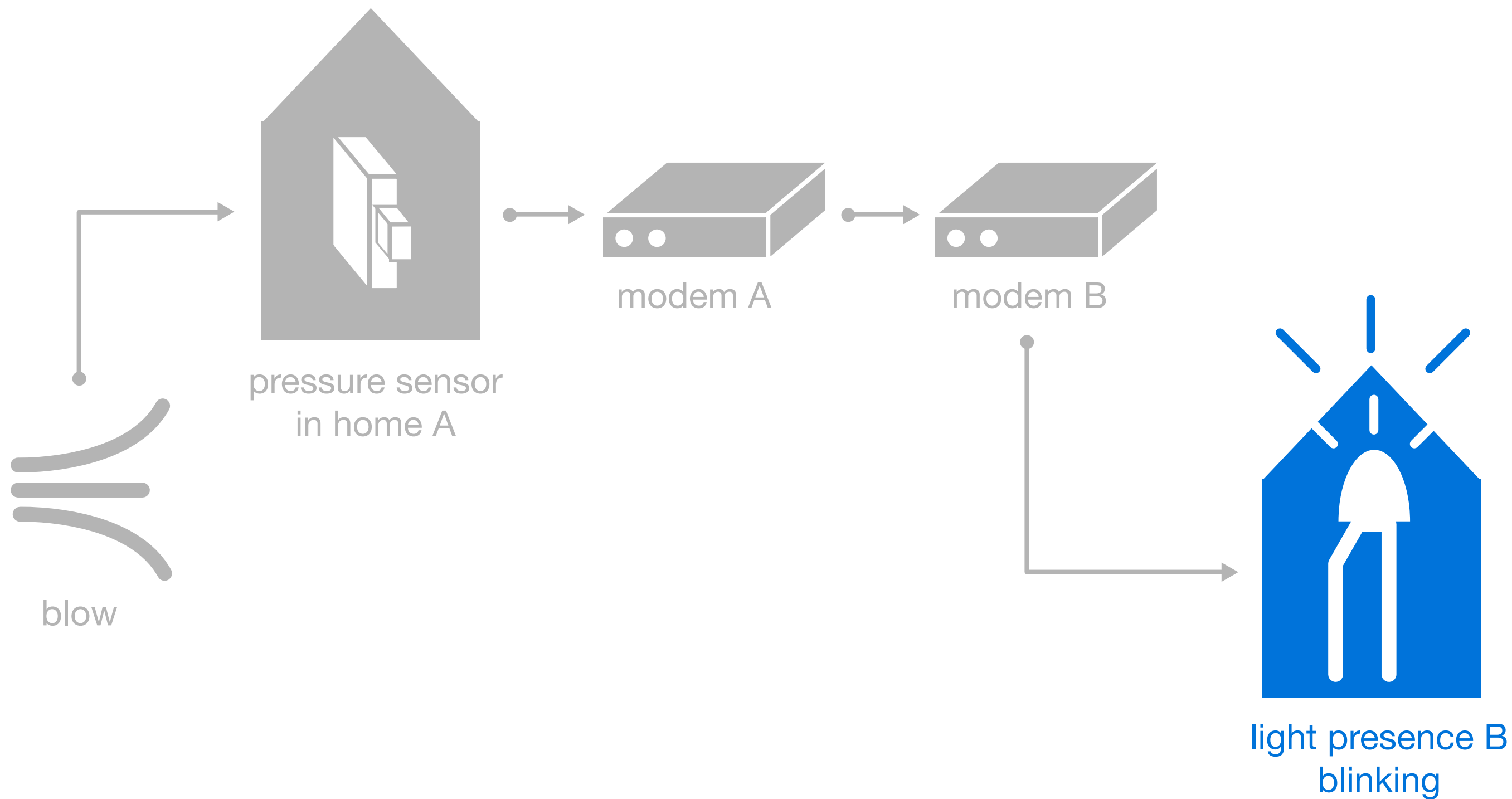


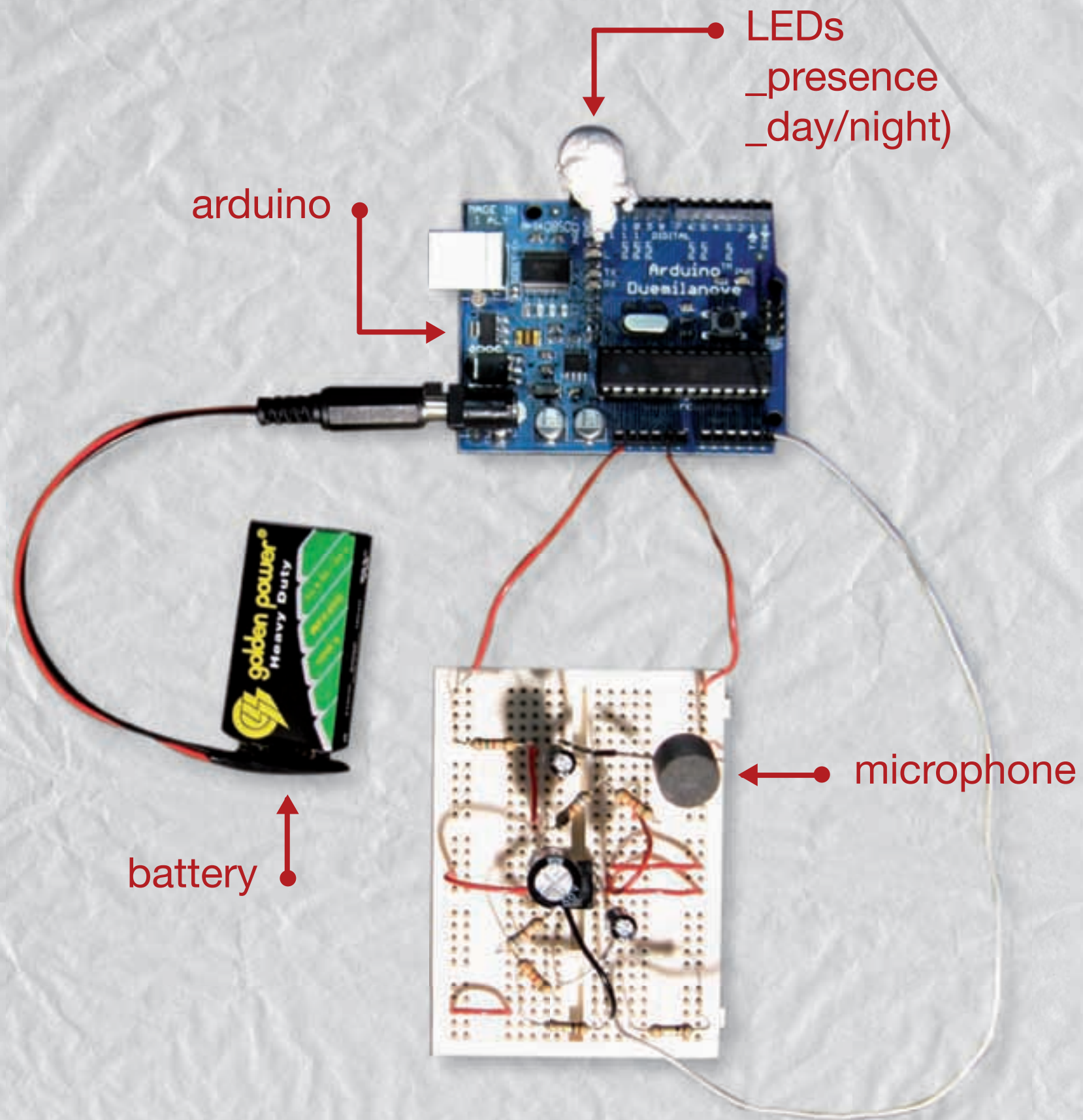










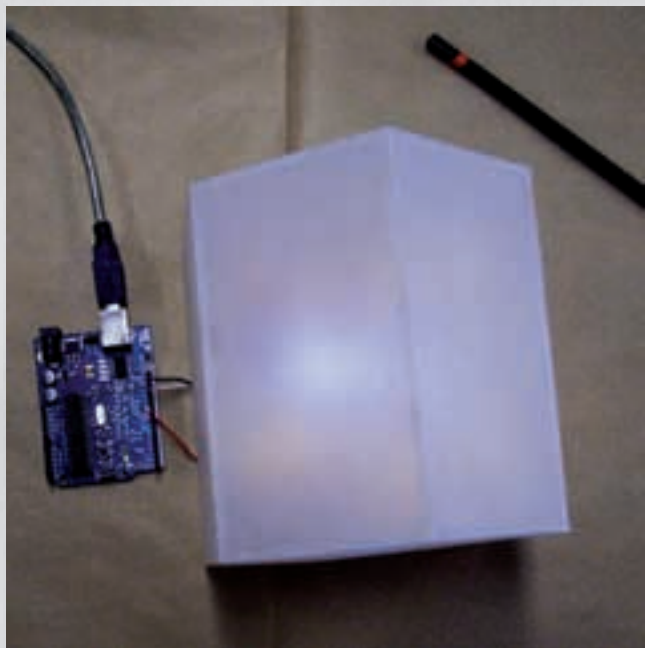
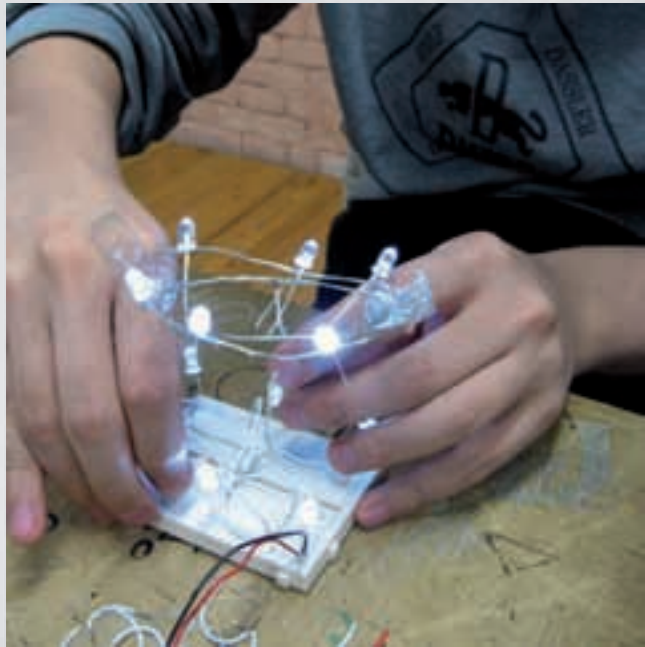


## *real telecommunications*

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The real prototype should work with these components





*making prototype*

.....



*ceramic model*





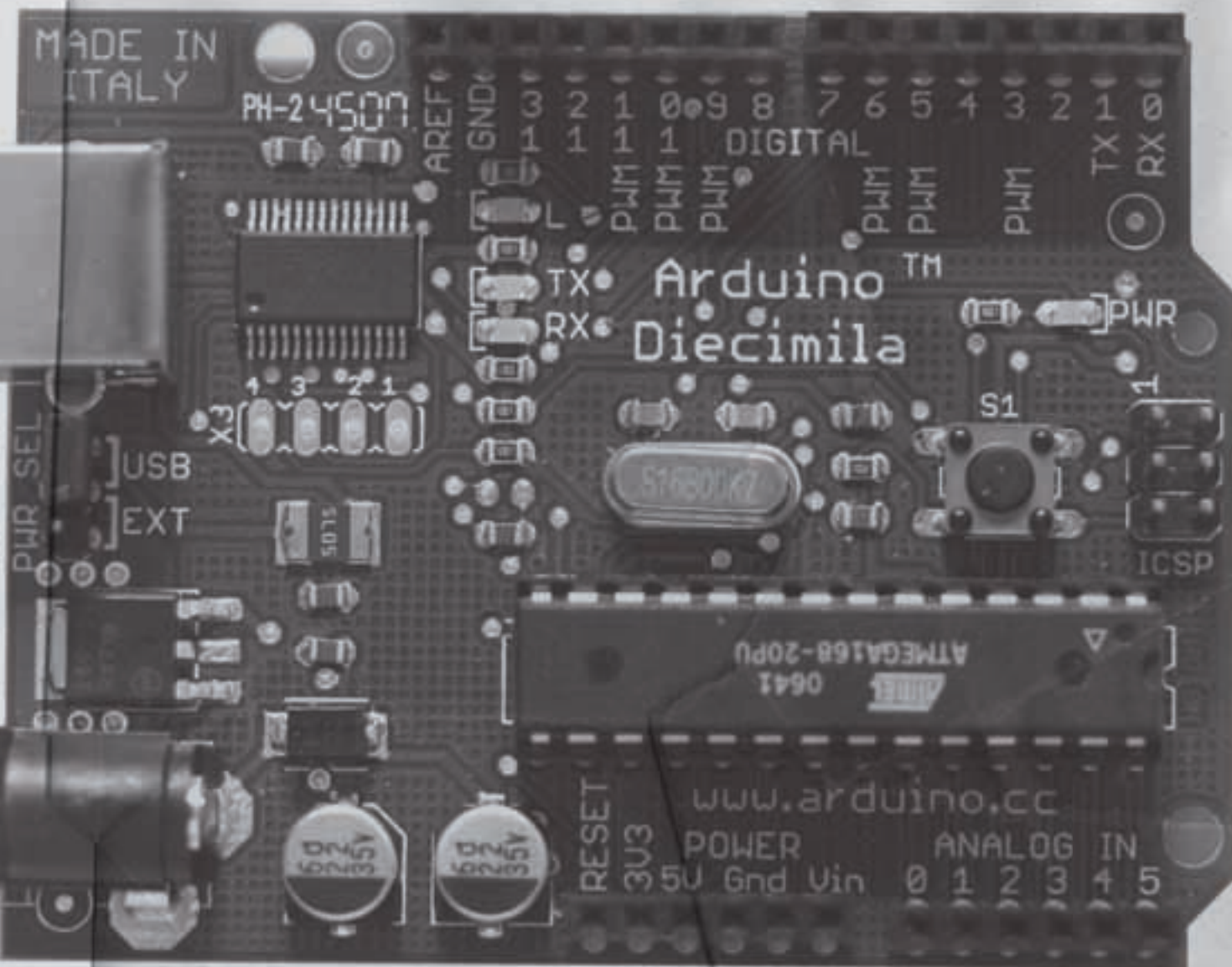
## *scenario*

.....

**Users:** Aurora and Sara

**Category:** two sisters. Aurora is doing the Erasmus program in Berlino

**Reason:** to show their presence by putting a nightlight into the house



## *ideal telecommunications*

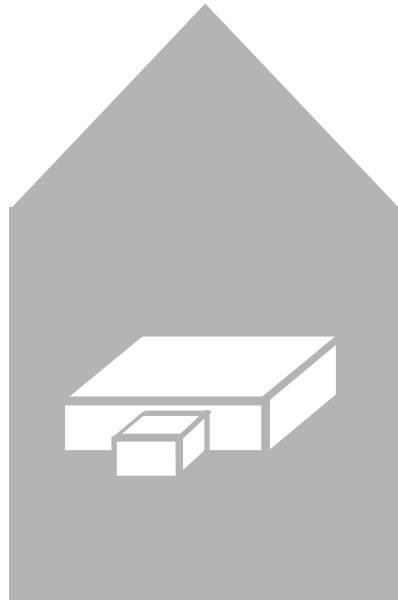
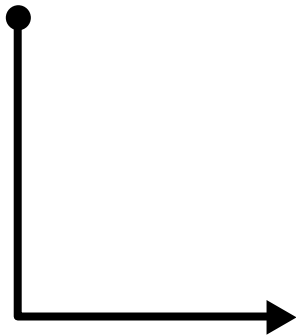
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In this drawing we show the  
telecommunication system and the  
components of the ceramic model.





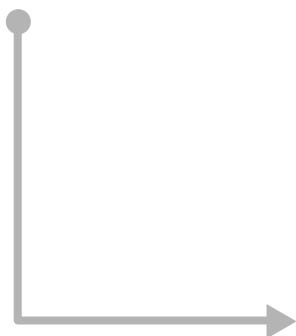
nightlight A



light sensor  
in home A



nightlight A



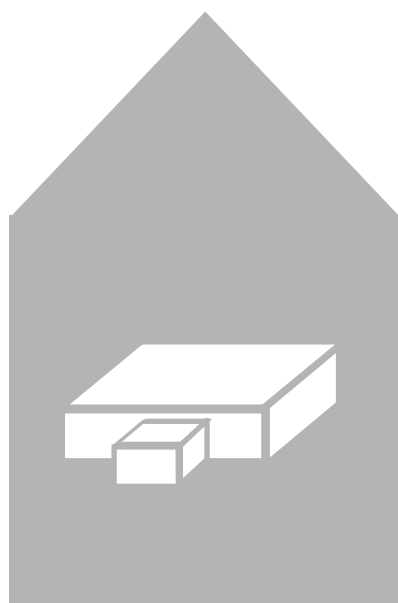
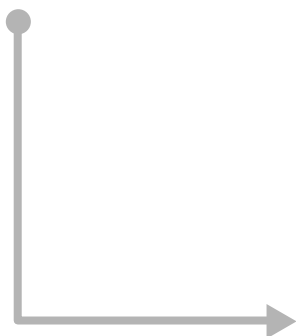
light sensor  
in home A



modem A



nightlight A



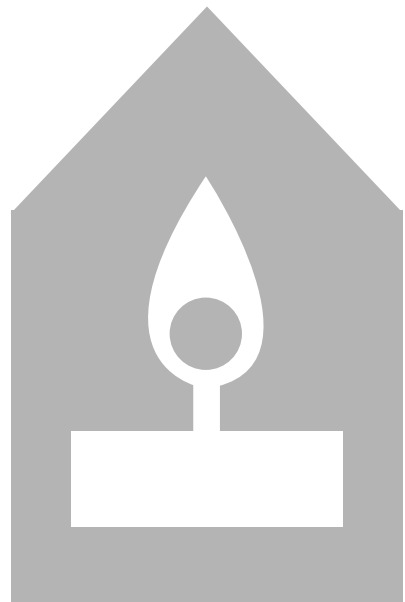
light sensor  
in home A



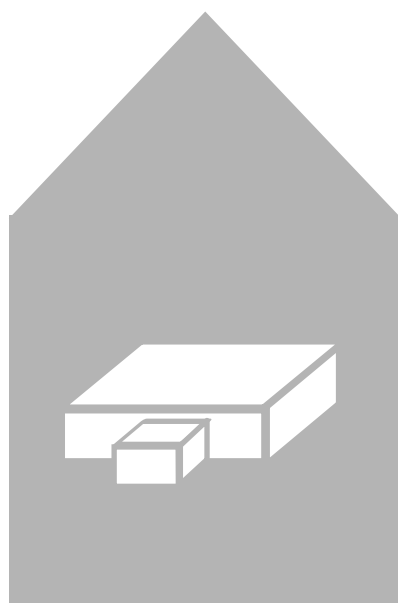
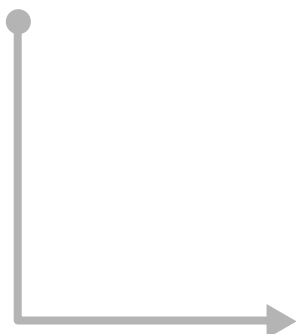
modem A



modem B



nightlight A



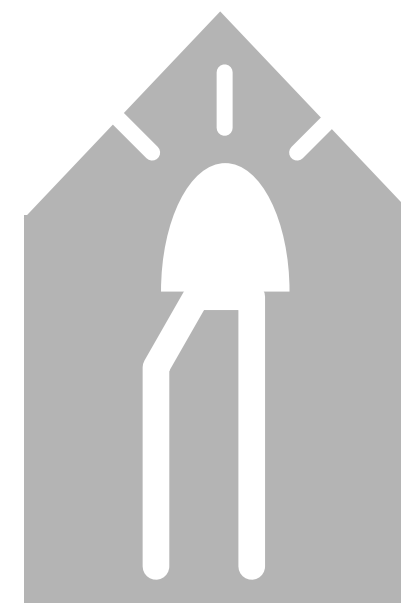
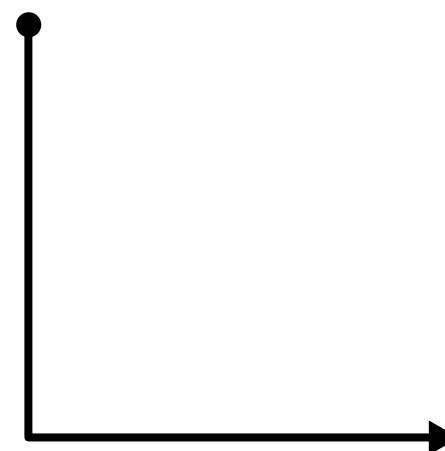
light sensor  
in home A



modem A



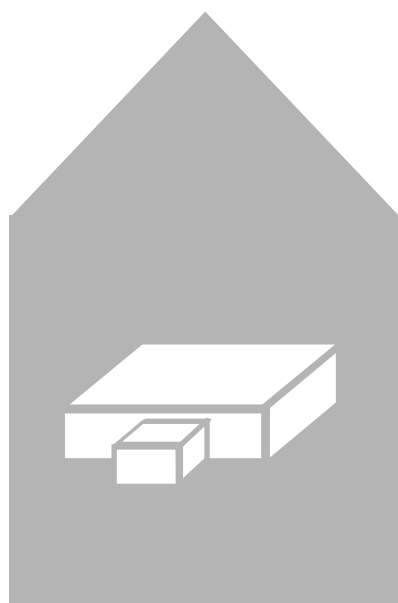
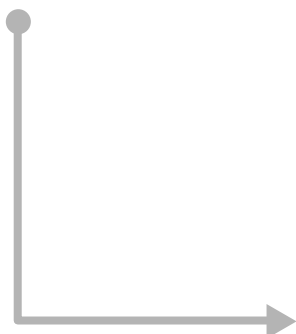
modem B



light presence B



nightlight A



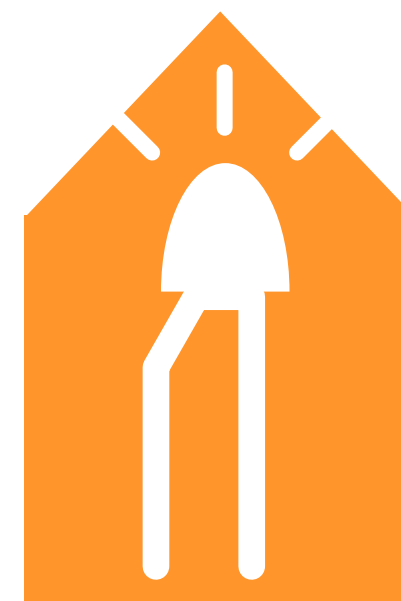
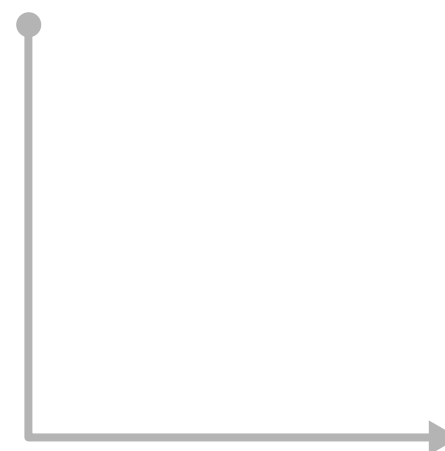
light sensor  
in home A



modem A



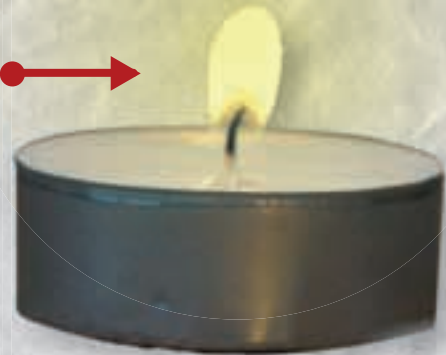
modem B



light presence B



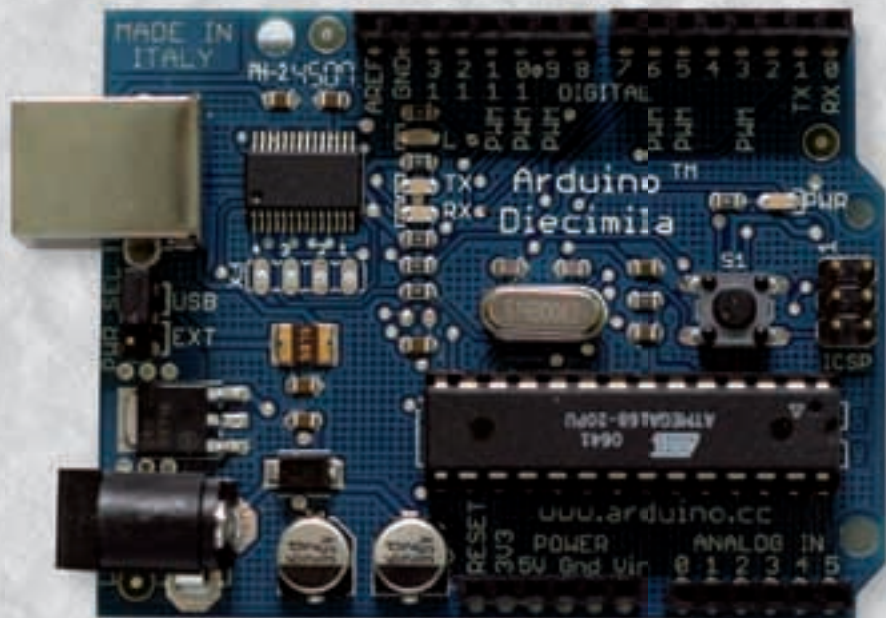
nightlight



light  
dependent  
resistor (LDR)



arduino



battery



presence LED



*real telecommunications*

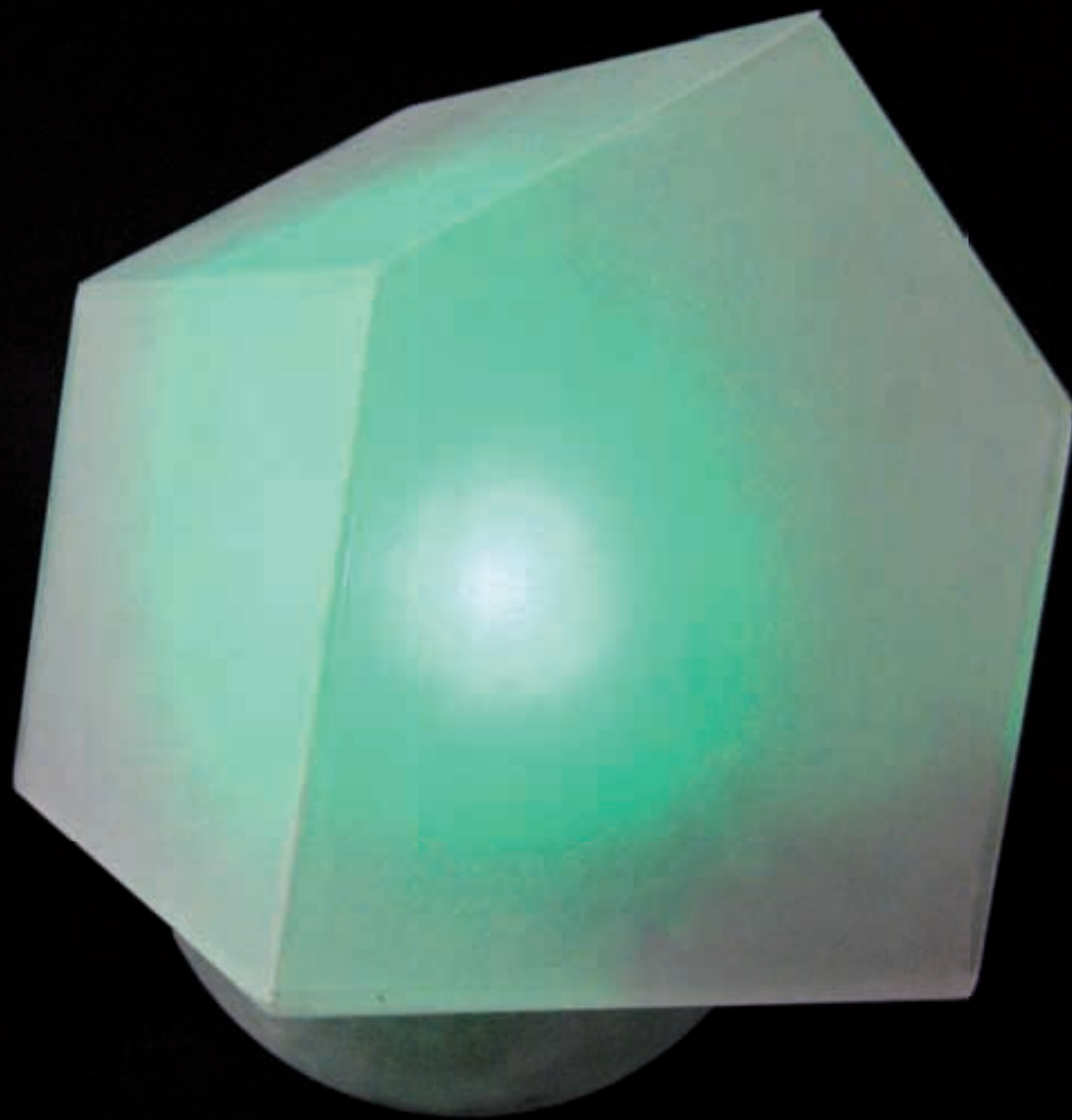
The real prototype should work with these components





*making prototype*

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*plexiglass model*

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## *scenario*

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**Users:** Elena and Serena

**Category:** two best friends who live in different countries

**Reason:** they use ***liaison*** to have a very playful and enjoyable way to be in contact



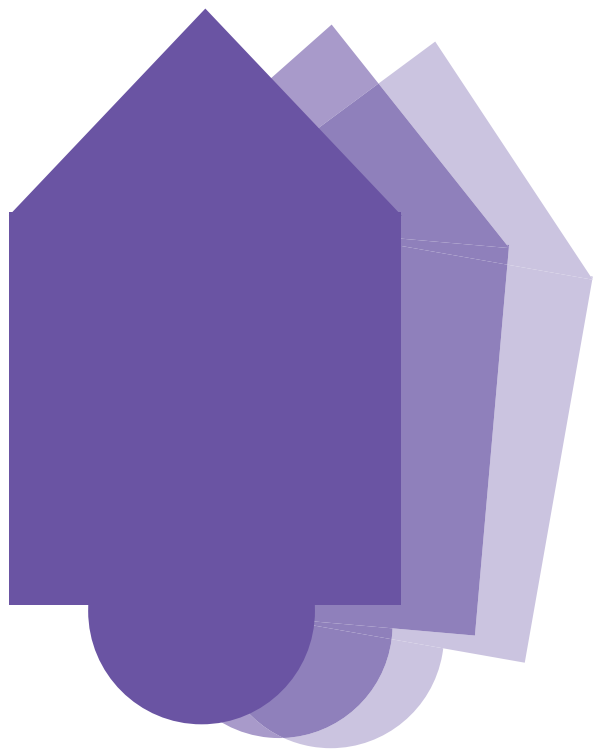
## *ideal telecommunications*

.....

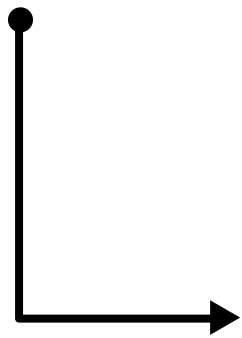
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components of the **plexiglass model**.



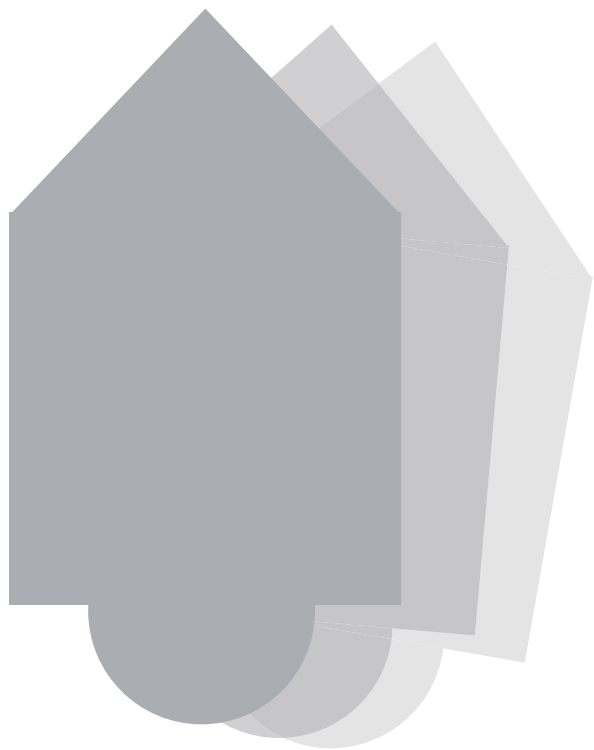




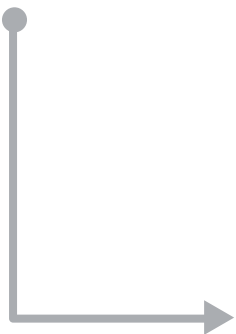
to swing  
home A



accelerometer  
in home A



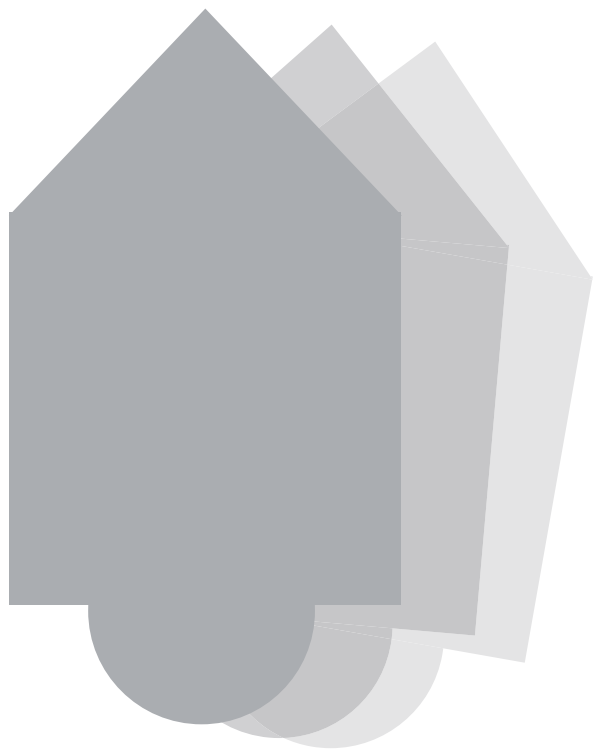
to swing  
home A



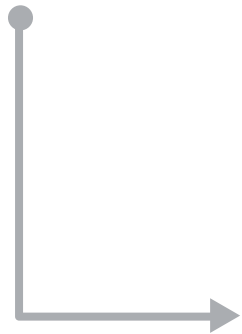
accelerometer  
in home A



modem A



to swing  
home A



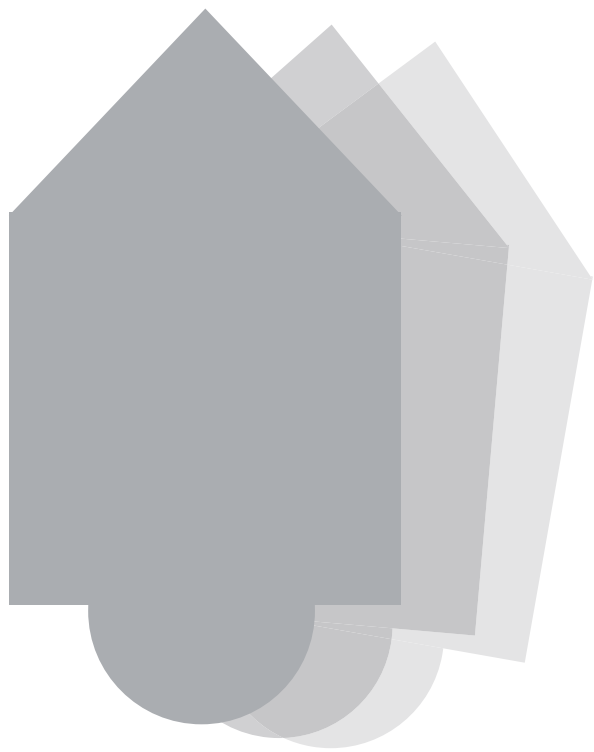
accelerometer  
in home A



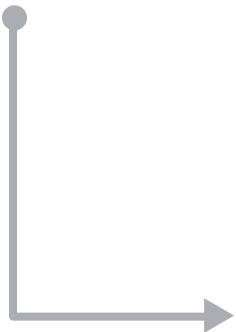
modem A



modem B



to swing  
home A



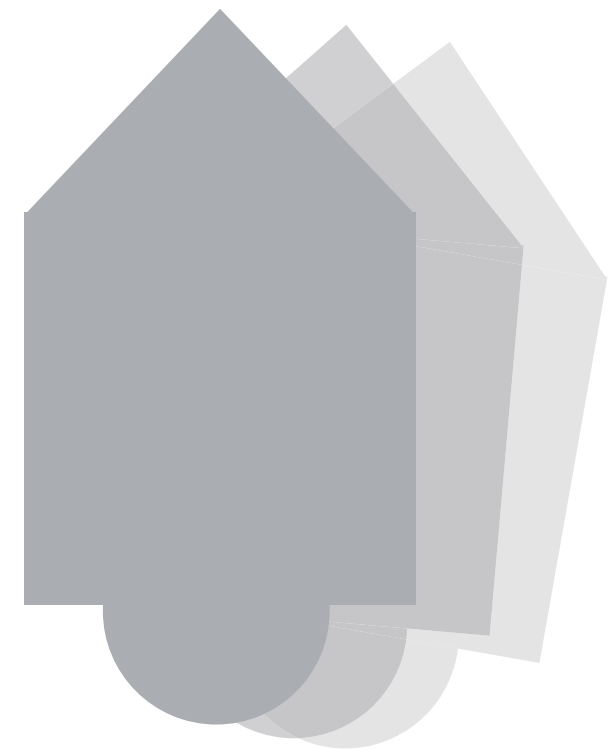
accelerometer  
in home A



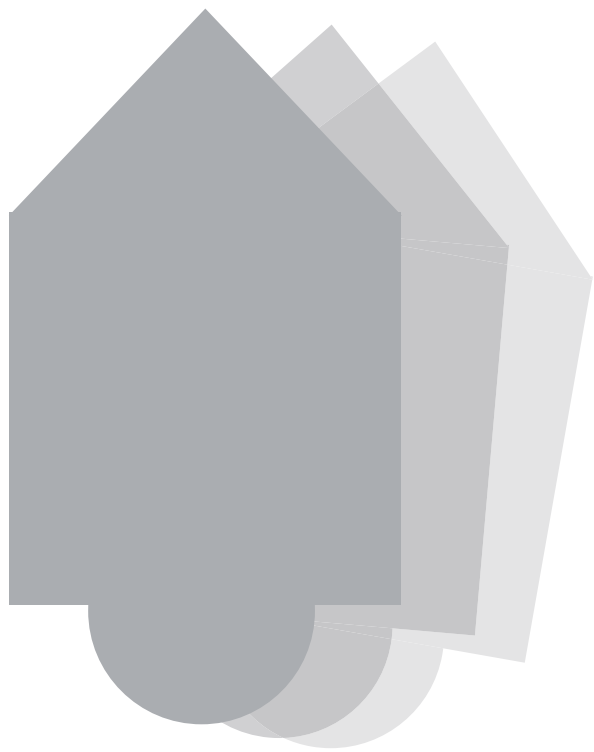
modem A



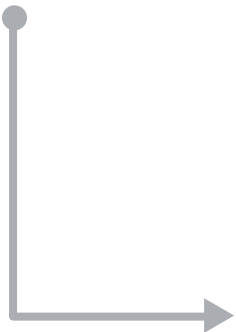
modem B



servo motor  
reproduces  
movements  
in home B



to swing  
home A



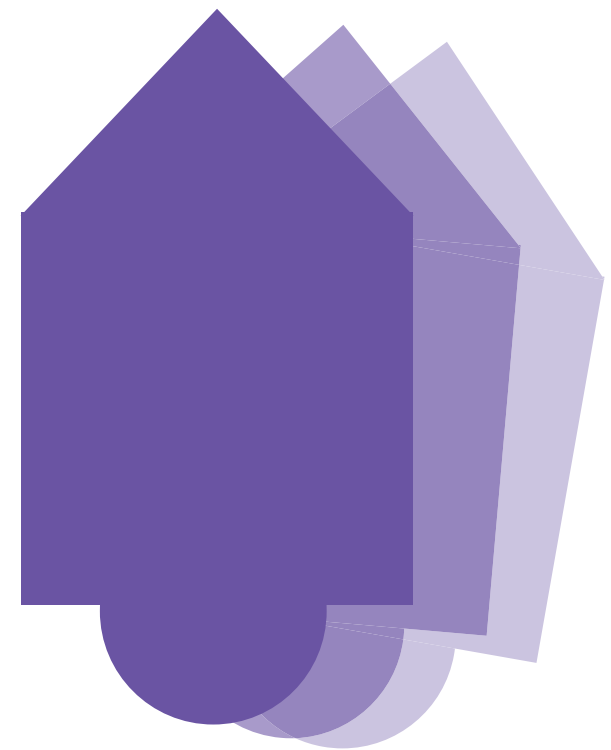
accelerometer  
in home A



modem A



modem B



servo motor  
reproduces  
movements  
in home B



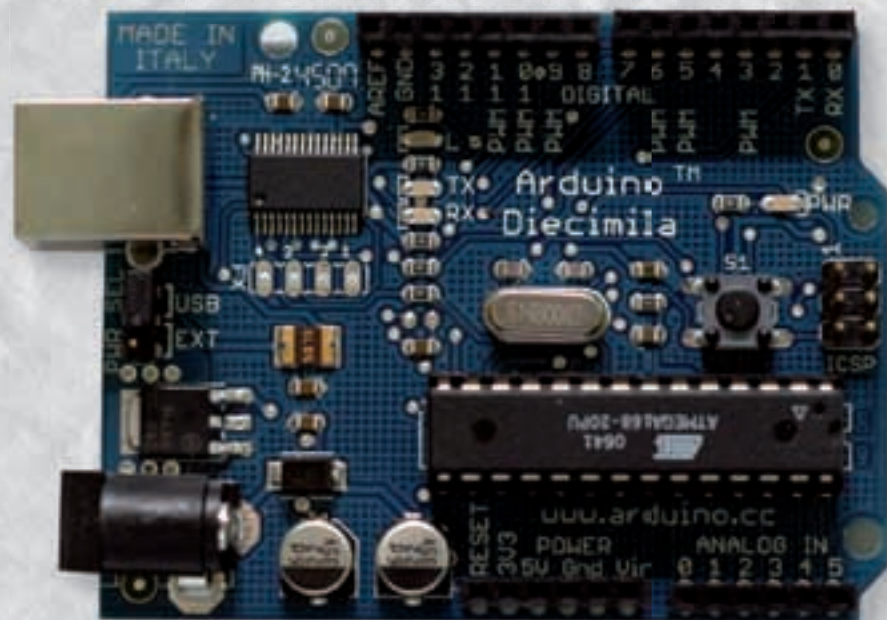
windchaim



accelerometer  
MMA7260Q



arduino



RGB LED



USB cable

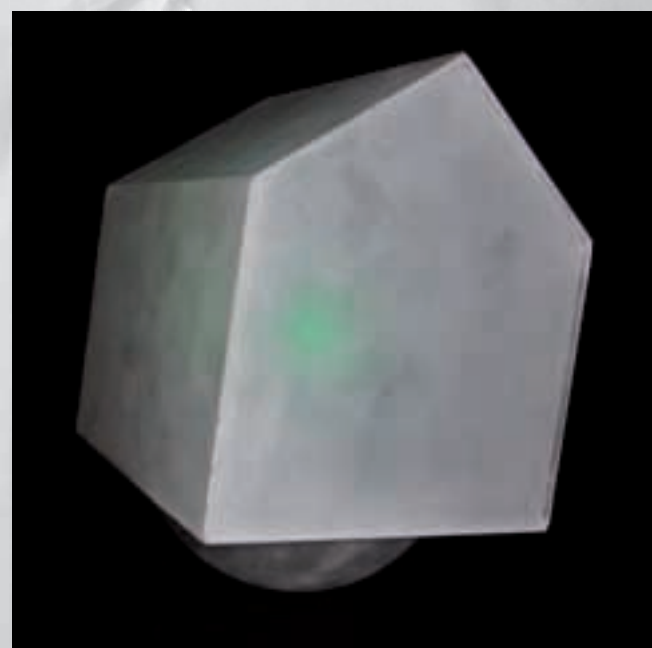
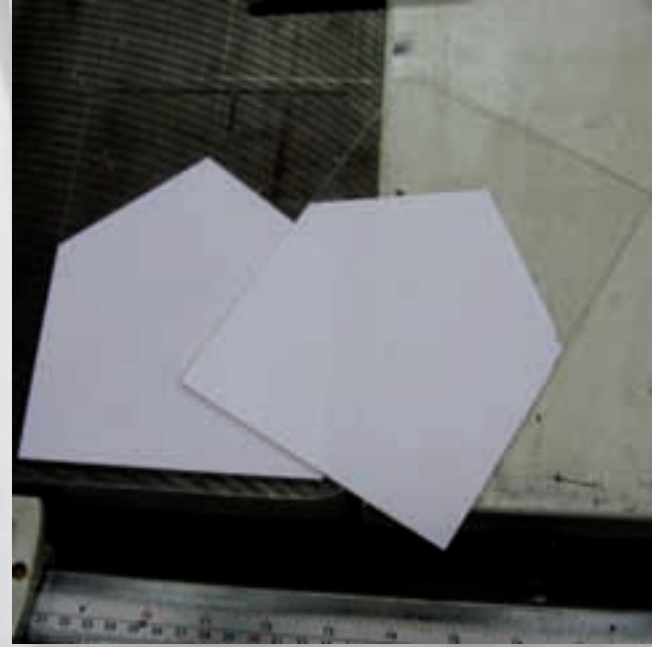


*real telecommunications*

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The real prototype should work with these components





*making prototype*

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