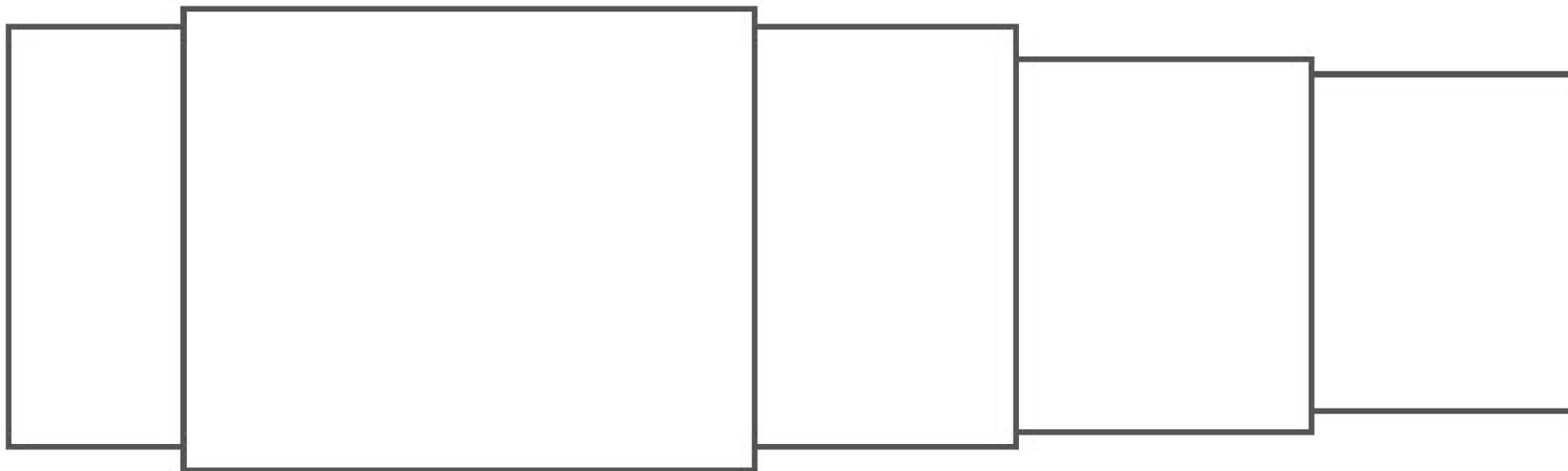


... Film TV Shows Kids Trailers ...

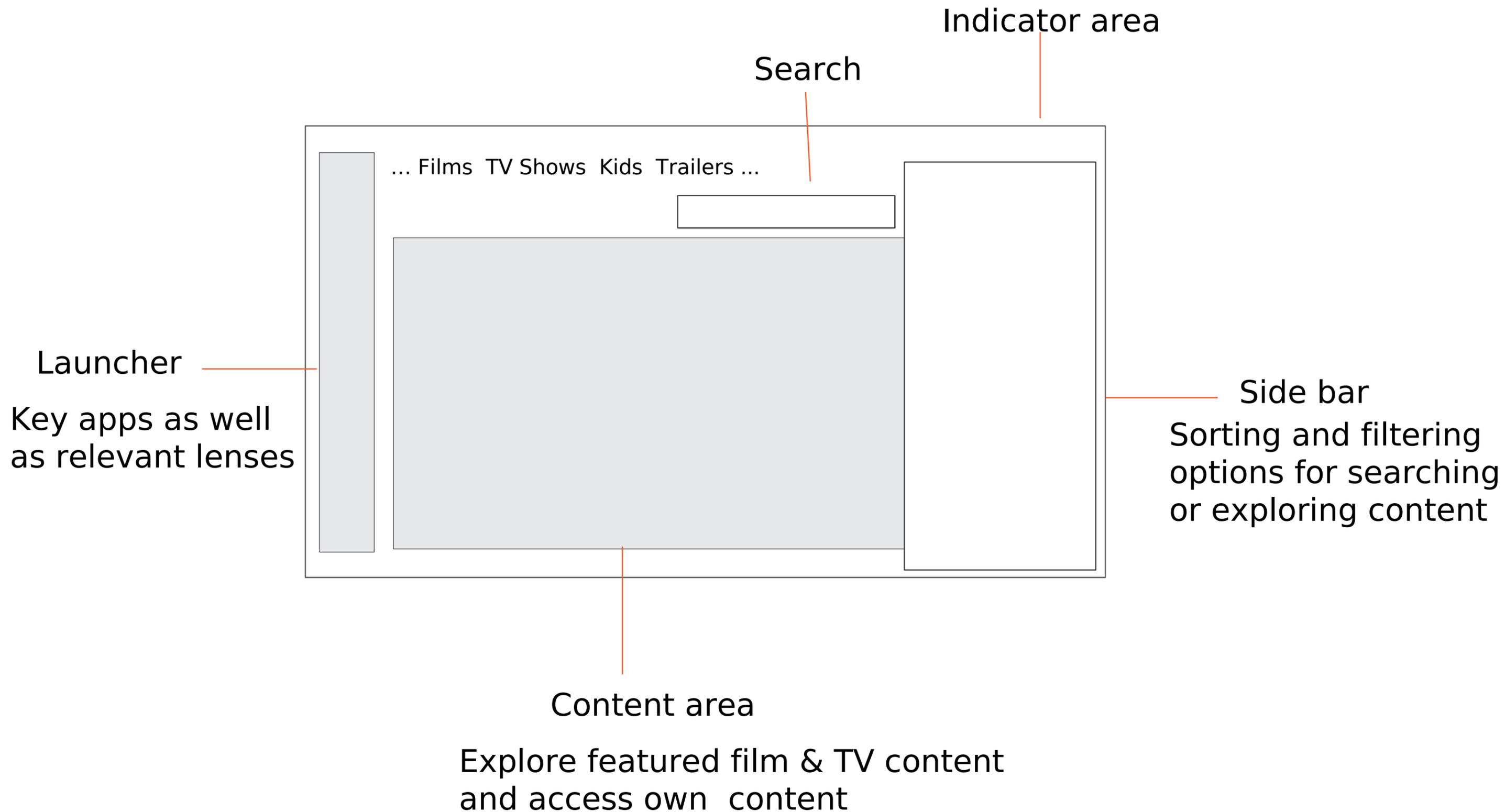
Placeholder 

Latest releases

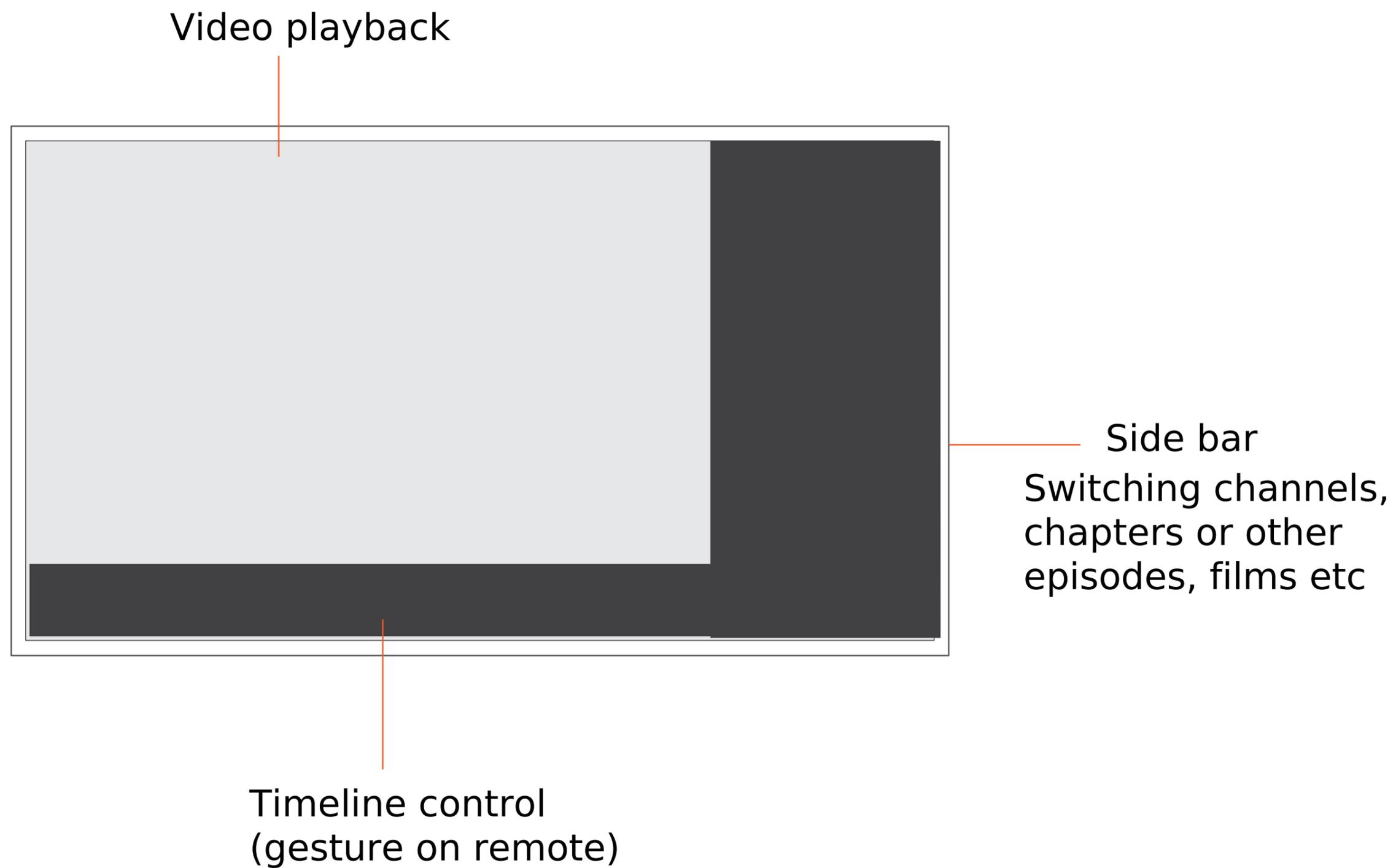


Zeitgeist

Key UI components: the Video Lens



Key UI components: the Media Player controls

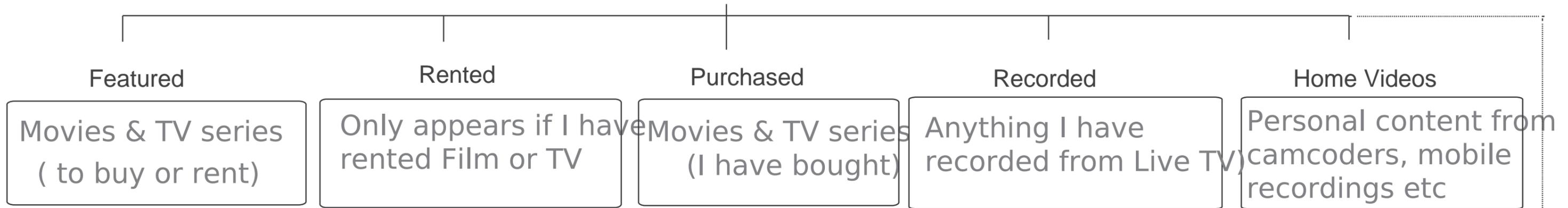


Key UI components: Components accessible from every app with dedicated keys or gestures



Overview of TV lenses

 Film & TV Lens (search film & TV)



 Apps Lens (search TV apps)



Online Video

This category only appears in search results

 Music Lens (search music)



 TV Guide Lens (search TV program)

Program Guide with Channels/ Time axis

Selected user journeys - part A

UI Components

1. From the start screen, browse for a movie to play — Video Lens (navigation between categories and content items), Preview, Media Player
2. From the start screen, search for content — Video Lens, Search entry & results, graffiti
3. From the start screen, show movies of a selected genre — Video Lens, Side bar, drop down options
4. While watching a movie pause and resume playback, or fast forward — Media Player, timeline
5. Jump to a different scene in the movie — Media Player, timeline, scene selection
6. While watching a movie, adjust the volume — Media Player, Volume Indicator
7. Choose a different language or subtitles for a movie — Media Player, Side bar, language, subtitles
8. Read information about a movie while watching it — Media Player, Side bar, movie info

Selected user journeys - part B

UI Components

9. Quit the Media Player to go back to the start screen, then resume the movie that was playing before

Media Player, Video Lens, Launcher, Media Player app in the Launcher

10. From the start screen, open the TV Guide and browse for a program to watch or set a reminder for a forthcoming program

Video Lens, Launcher, TV Guide, Preview, TV Player, Notifications

11. In the TV Guide, show the most recently used channels only

TV Guide, Side bar, filtering options

12. Watch, pause, resume live TV

TV Player, timeline

13. Change to a different channel while watching TV

TV Player, Side bar, channel selection, program info

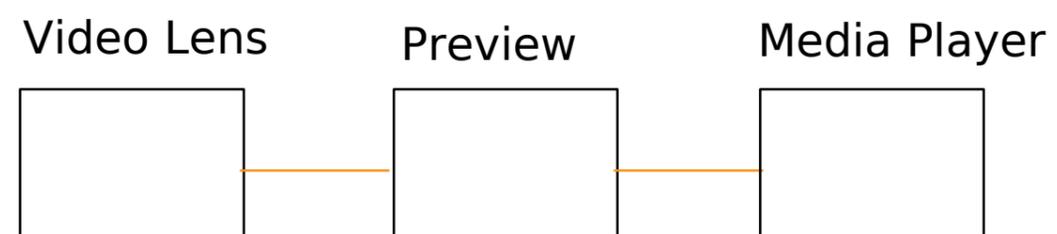
14. While watching a movie, explore other content and then return to movie watching

Media/ TV Player, Launcher reveal, Video lens overlay

15. Access and manage TV recordings (record an episode or an entire TV series)

Video Lens or TV Guide - TV Series Preview

1. From the start screen, find a movie to play



Video lens: search or browse

DOWN KEY



Video Lens

Apps Lens

Music Lens

TV Guide Lens

Media Player

TV Settings

Search film & TV

5 17:09

Featured (21)

New film release title

New film release title

TV Series title

TV Series title

New film release title

Rented (35)

Purchased (60)

Recorded (42)

From 'Search' to 'Featured'

Video Lens

Apps Lens

Music Lens

TV Guide Lens

Media Player

TV Settings

Search film & TV

5 17:09

Featured (21)

New film release title

New film release title

TV Series title

TV Series title

New film release title

Rented (35)

Purchased (60)

Recorded (42)

Video lens: content categories

DOWN KEY



Video Lens

Apps Lens

Music Lens

TV Guide Lens

Media Player

TV Settings

Search film & TV

5 17:09

Featured (21)

New film release title

New film release title

TV Series title

TV Series title

New film release title

Rented (35)

Purchased (60)

Recorded (42)

From 'Featured' to 'Rented'

Video Lens

Apps Lens

Music Lens

TV Guide Lens

Media Player

TV Settings

Search film & TV

5 17:09

Featured (21)

Rented (35)

Film title

Personal video title

Personal video title

Film title

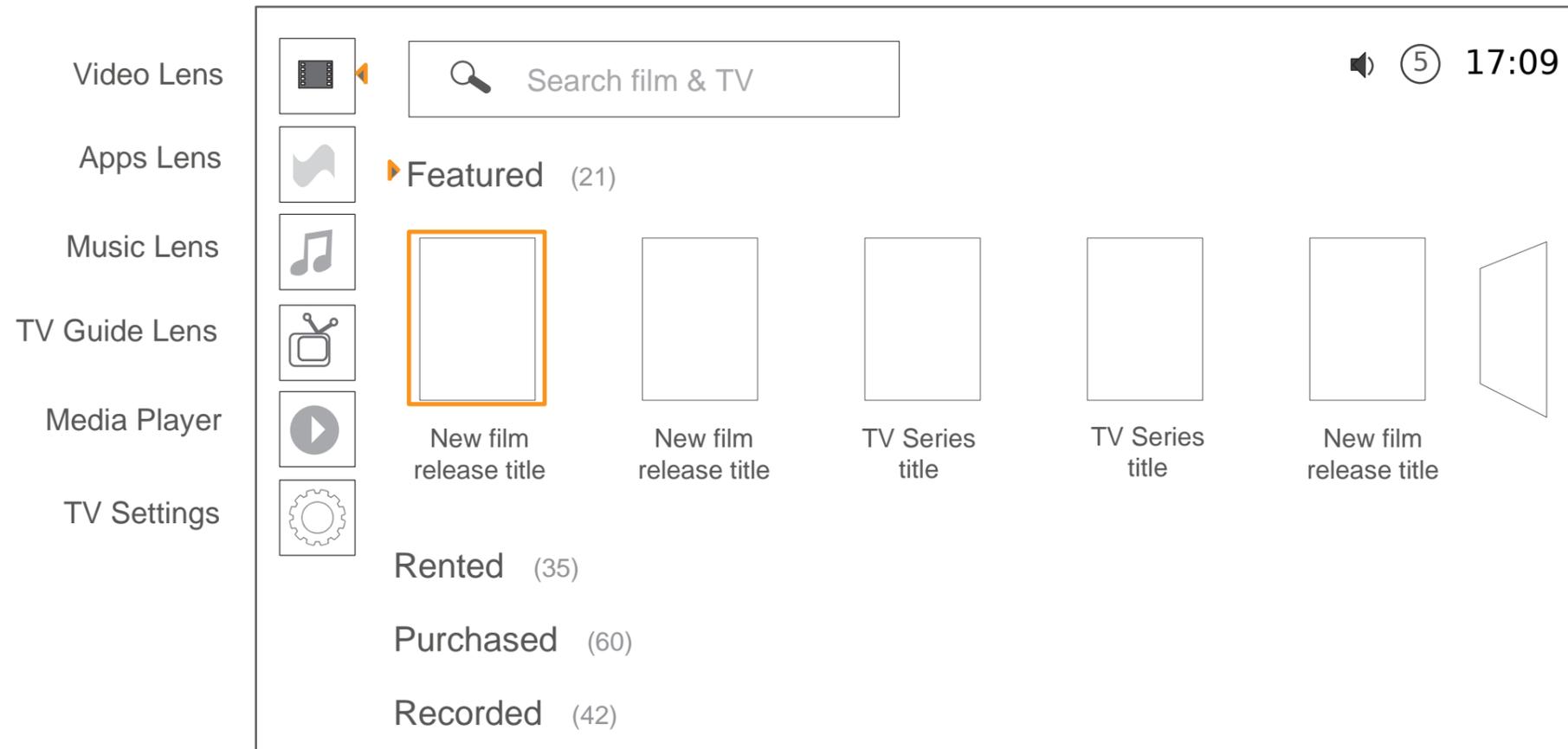
Personal video title

Purchased (60)

Recorded (42)

Video lens: browsing content

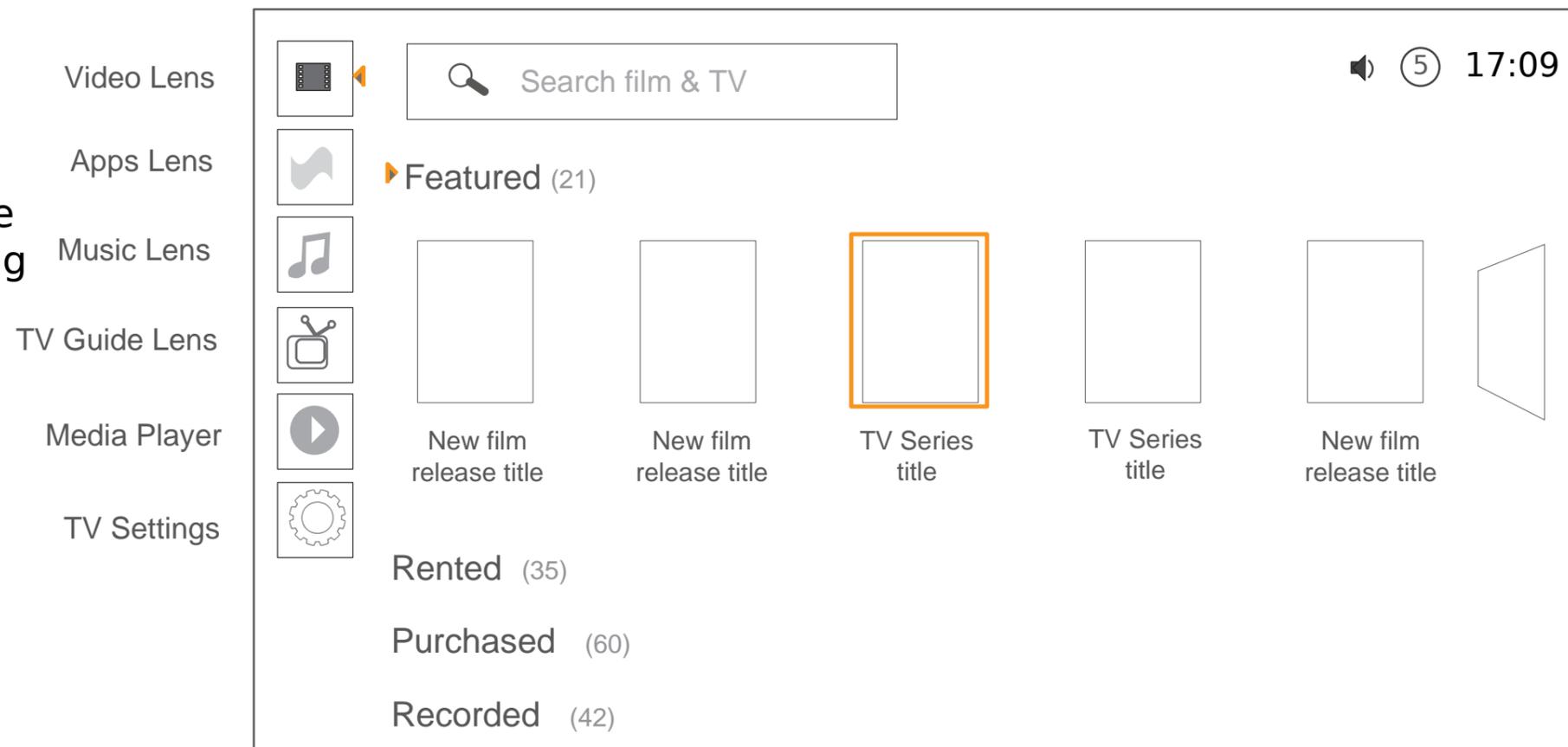
RIGHT KEY
x2



Fixed focus

When reaching the middle item in the carousel, the focus becomes fixed and the items off screen start moving into the focus area.

(see related prototype).



Preview of featured content

Preview appears as an overlay over the screen from where the movie was selected.

Pressing 'Esc' or 'back (via 'squeeze' on the trackpad remote) will bring back the previous screen from where the content item was selected.

Selecting 'Play trailer' will start playback in the Media Player (below).



The screenshot shows a dark grey overlay for the movie 'The Skin I Live In (2011)'. On the left side of the overlay is a vertical navigation menu with icons for: a film strip (selected), a wavy line, a musical note, a TV with a play button, a play button, and a gear. The main content area on the right includes a volume icon with the number '5', a 5-star rating with '(1,205)' reviews, a synopsis: 'A brilliant plastic surgeon, haunted by past tragedies, creates a type of synthetic skin that withstands any kind of damage.', the director 'Pedro Almodovar', and the cast 'Antonio Banderas, Elena Anaya and Jan Cornet'. At the bottom are three buttons: 'Play trailer' (highlighted with an orange border), 'Buy from £5', and 'Rent from £2.50'.

Available types of Preview screen

Rented (similar to Purchased Preview, but with an expiry date)



TheSkin I Live In (2011) ★★★★☆⁰⁹
(1,205)

A brilliant plastic surgeon, haunted by past tragedies, creates a type of synthetic skin that withstands any kind of damage.

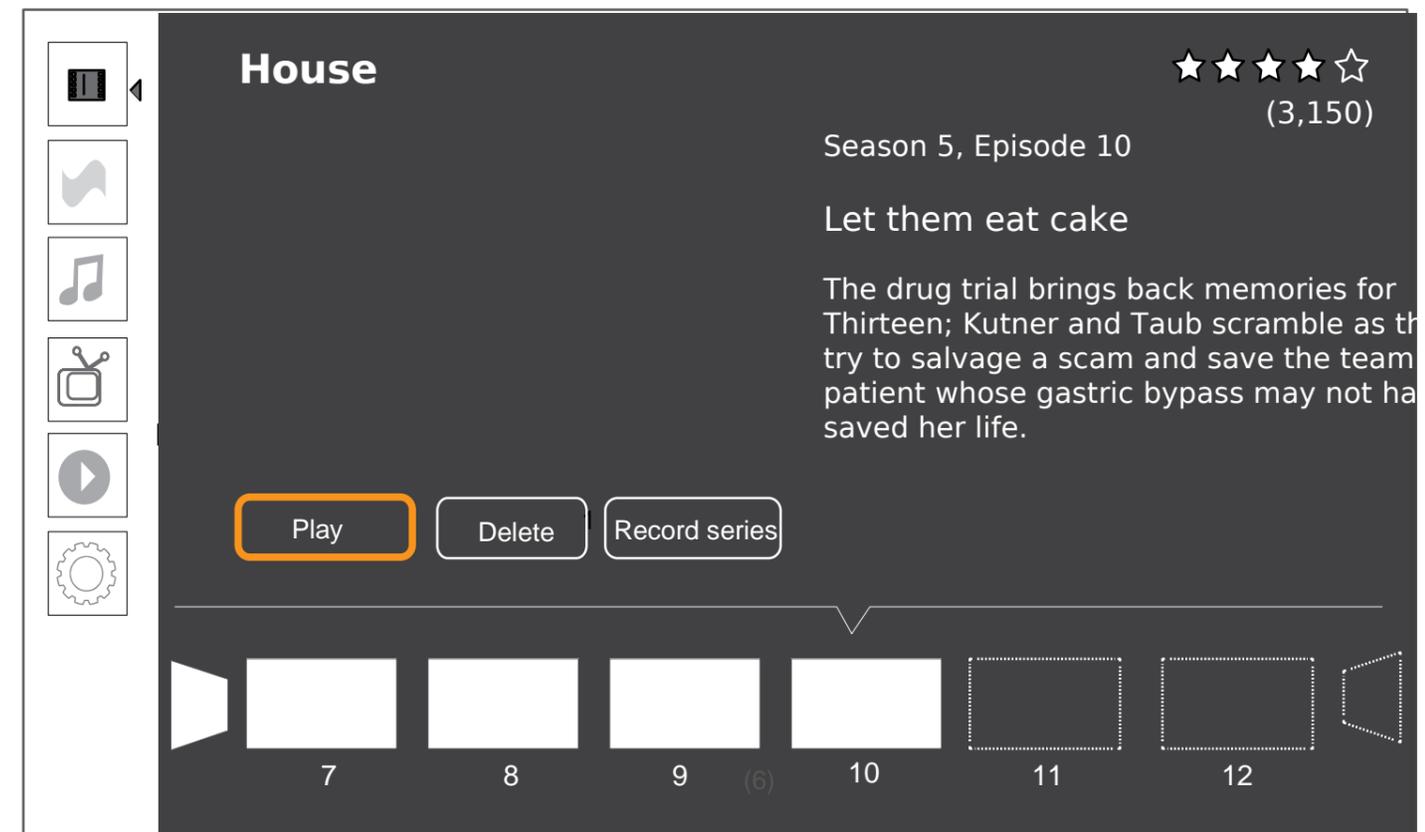
Director: Pedro Almodovar

Cast: Antonio Banderas, Elena Anaya and Jan Cornet

Play

Expires at 2000 on Sat, 2 Nov 2011

Recorded (TV series - a single episode)



House ★★★★☆
(3,150)

Season 5, Episode 10

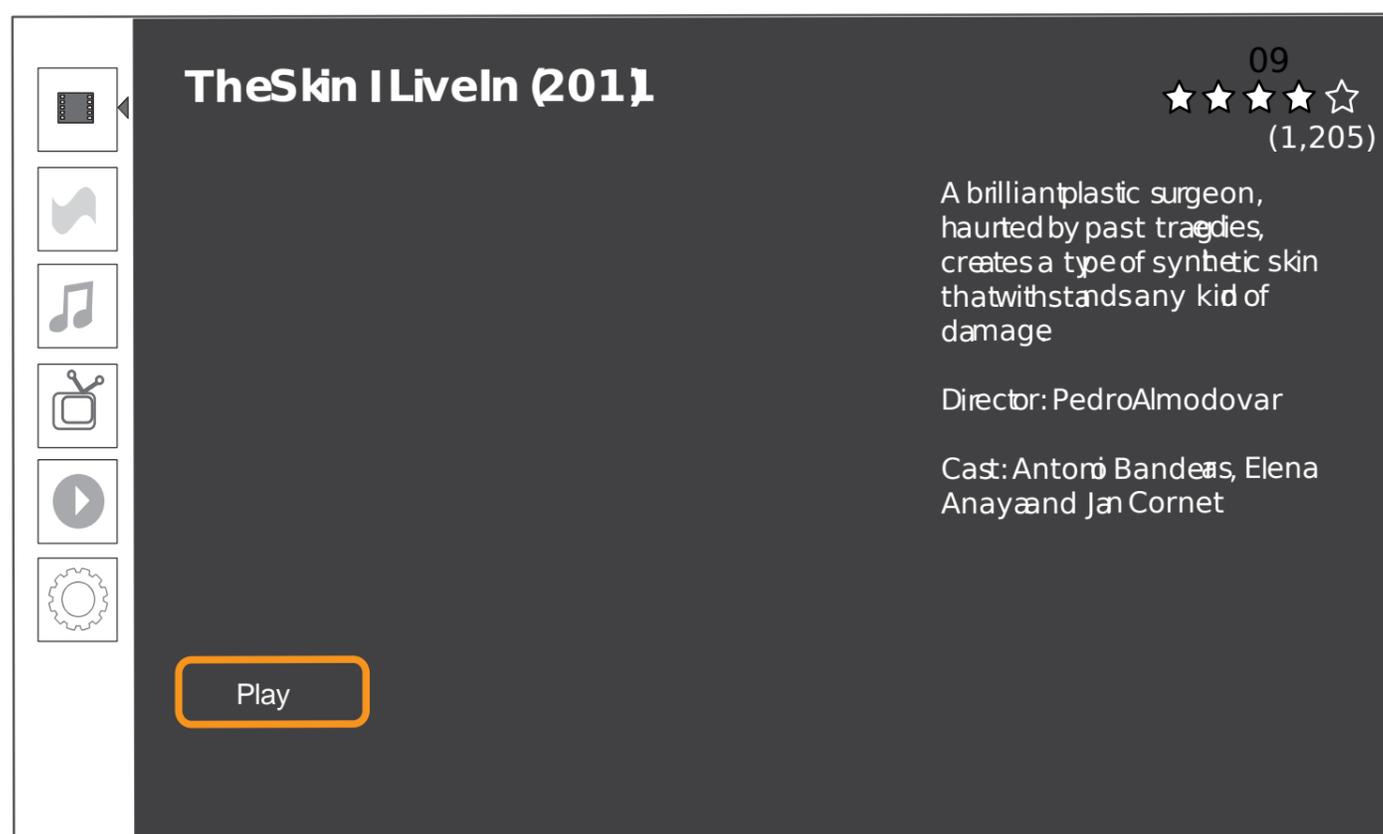
Let them eat cake

The drug trial brings back memories for Thirteen; Kutner and Taub scramble as they try to salvage a scam and save the team patient whose gastric bypass may not have saved her life.

Play Delete Record series

7 8 9 (6) 10 11 12

Purchased



TheSkin I Live In (2011) ★★★★☆⁰⁹
(1,205)

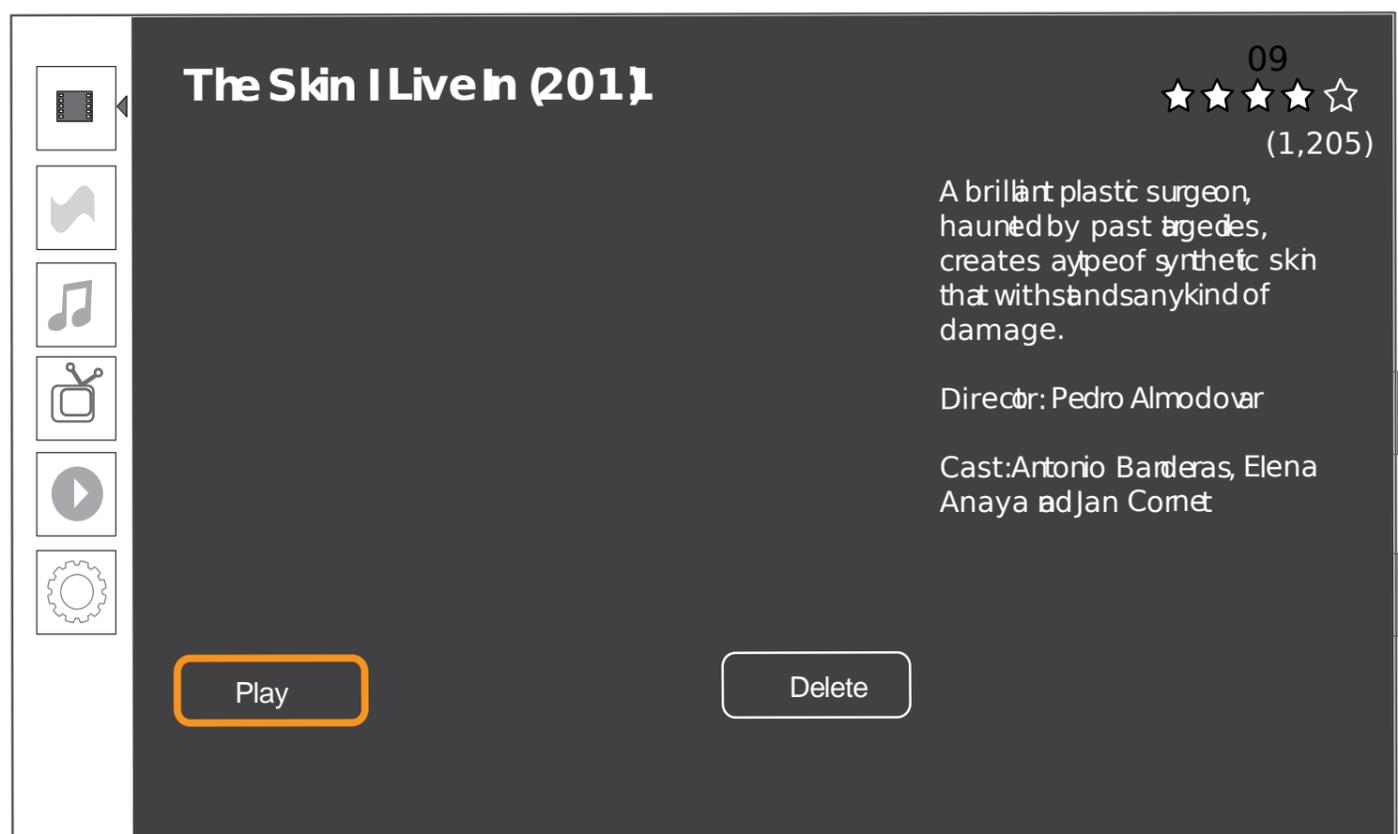
A brilliant plastic surgeon, haunted by past tragedies, creates a type of synthetic skin that withstands any kind of damage.

Director: Pedro Almodovar

Cast: Antonio Banderas, Elena Anaya and Jan Cornet

Play

Recorded (single item)



The Skin I Live In (2011) ★★★★☆⁰⁹
(1,205)

A brilliant plastic surgeon, haunted by past tragedies, creates a type of synthetic skin that withstands any kind of damage.

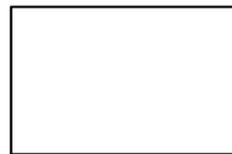
Director: Pedro Almodovar

Cast: Antonio Banderas, Elena Anaya and Jan Cornet

Play Delete

2. From the start screen, search for content

Video Lens



Video lens: searching for content

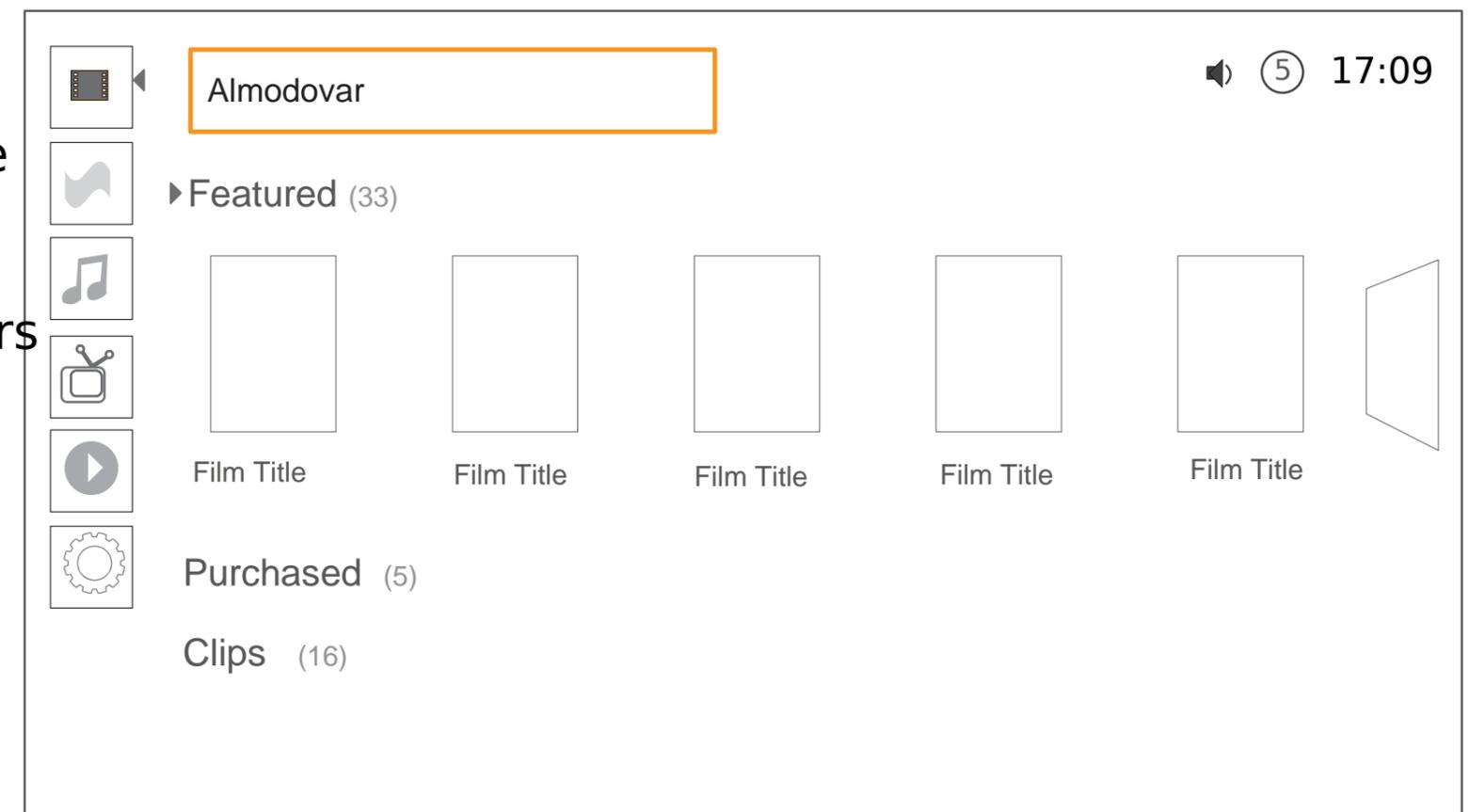
The user can enter a search query by using the keyboard at the back of the low-end remote at any point in the Video Lens - as well as when the search box is in focus.



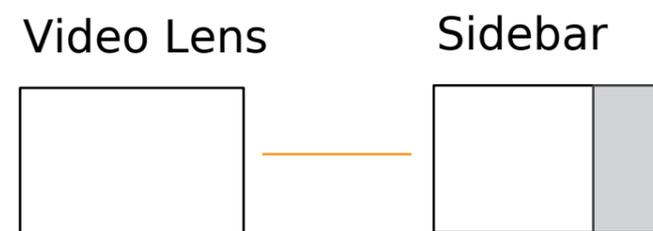
When searching inside the video lens, the search results also incorporate related online clips (from e.g. youtube, vimeo).

For example director interviews or film trailers can also be found there.

The user can view this streaming content by launching the related app from preview.



3. From the start screen, show movies of a selected genre



Show me: tools for discovering content & search

Genre:

All genres
Action & Adventure
Animation
Comedy
Classics
Documentary
Drama
Family & Fantasy
Horror
Music & Musical
Mystery & Thriller
Romance
Sci-Fi
Sport
TV only
Western
World cinema

Sort by:

Most recent
Most popular
A-Z

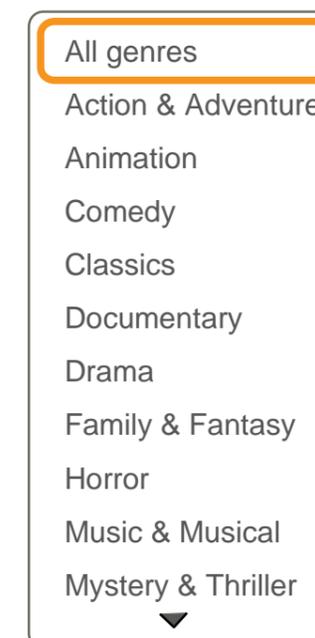
Source:

All sources
TV Recordings
LoveFilm
BBC
YouTube
...(tbd)



Selecting the Genre drop down opens up a panel with all the genre options and the user can navigate up/down to select one.

The genre list is in line what is currently available on Amazon, Lovefilm, IMDB and other providers. Also including categories expressed during our usability testing.



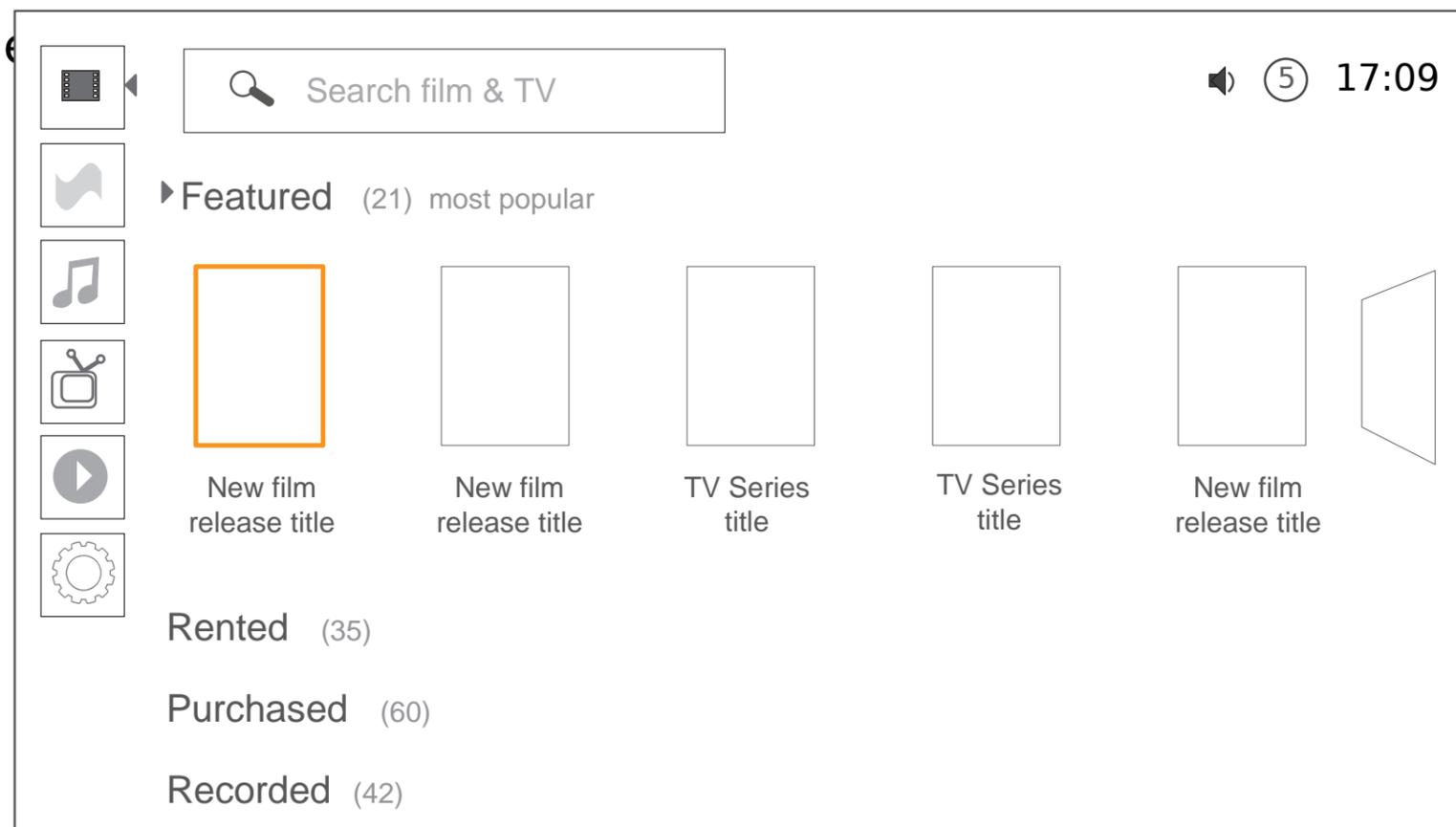
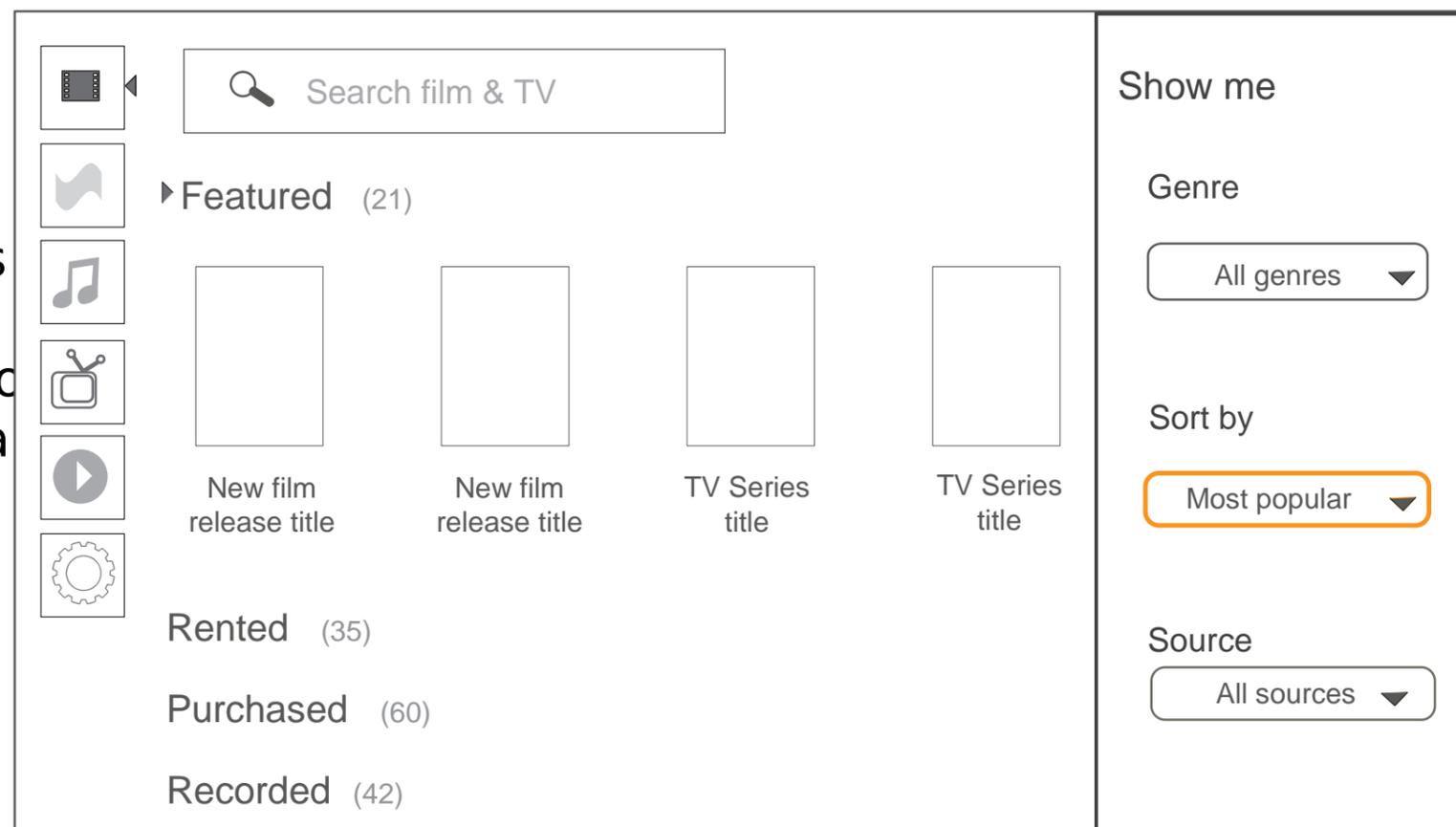
Video Lens: feedback of currently selected filters

When the user selects an option (e.g. a different sorting criteria) their choice is reflected in the feedback on screen.

The filter selection applies to ALL categories on screen, also the closed ones in the accordion. If there is a category that does not return any results for a selected filter (e.g. a specific genre) then it should not be shown.

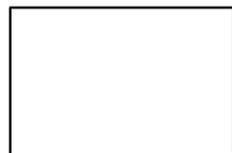
This helps remind what the selected filter options are, when the user returns to the video lens.

In this example, the user has changed the sorting order from 'most recent', which is the default, to 'most popular'.



4. While watching a movie, pause and resume playback o
fast forward a movie

Media Player



5. Jump to a different scene in the movie

Media Player

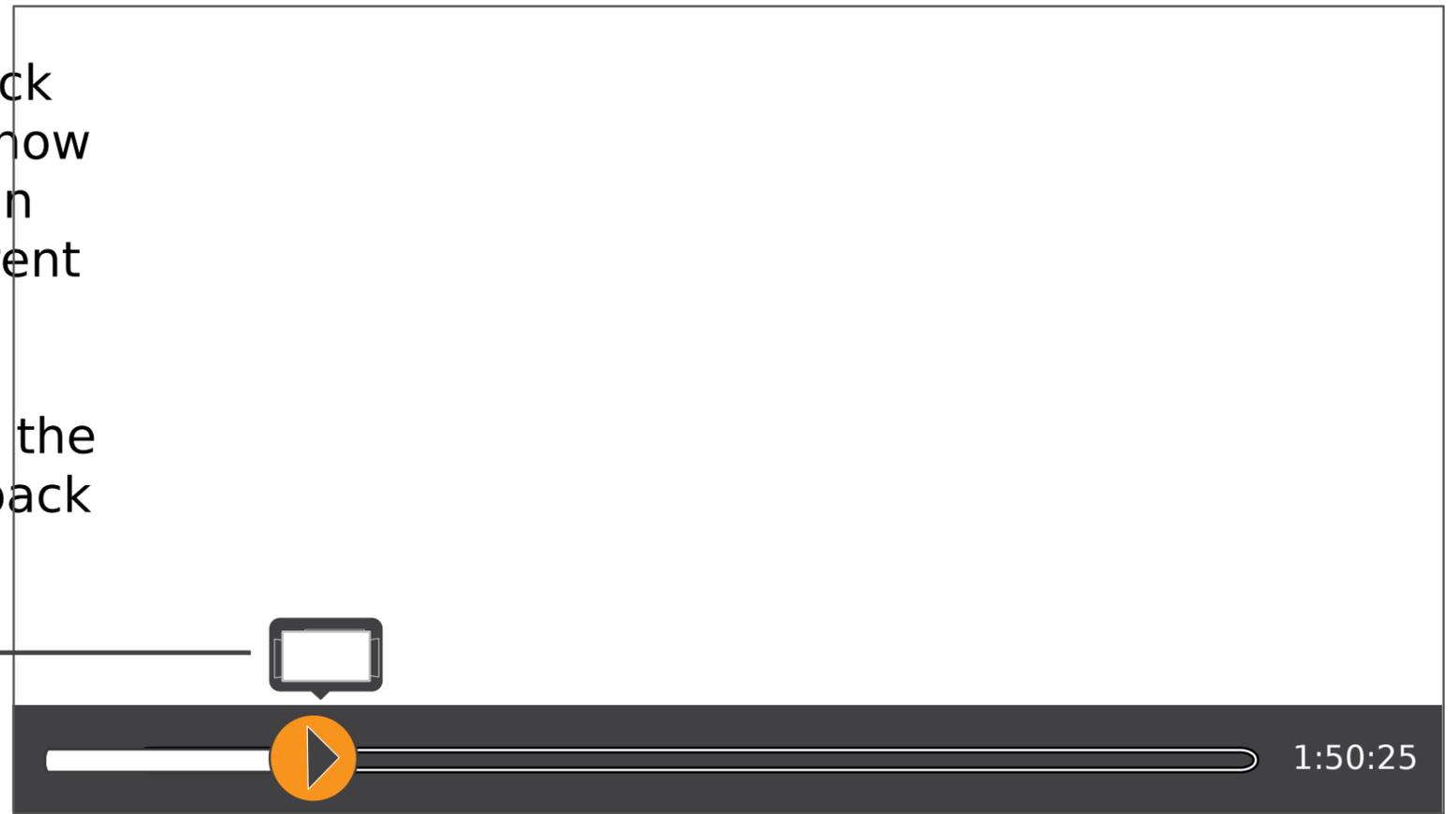


Media Player: opening the scene selection

When pressing up to highlight the scene stack above the timeline, the stack expands to show the current selection of scenes. The user can move right or left to select and play a different movie scene.

Pressing 'down' will move the focus back to the timeline. The scene selection will contract back into a stack.

Scene stack icon ←



There is a transition between highlighting/ activating the scene selection icon and the scene flow. The current scene is in focus.

Scene selection ←

Current scene is the first one.

If it was a different one, further away, it would gain focus and get centered.

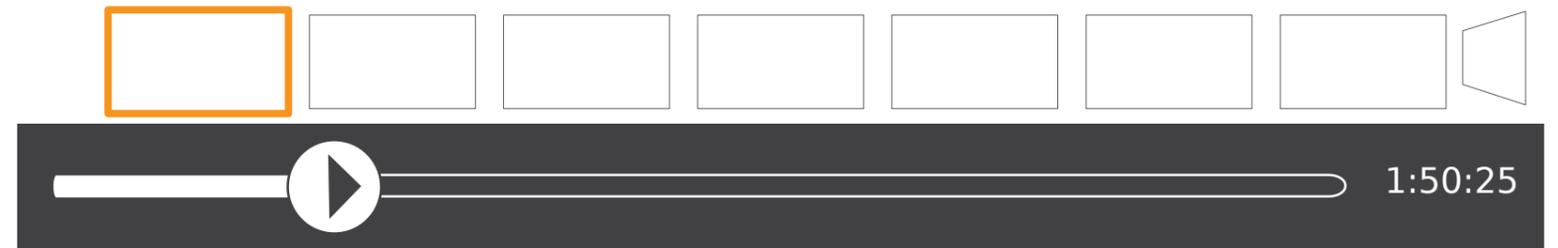


Media Player: jumping to a different scene

When the focus is in the middle of the scene selection (4th fully visible scene) it becomes fixed and the rest of the scenes flow through it. A similar interaction to the Video Lens.



RIGHT KEY
x4



Fixed focus in the centre of scene selection - like in the flow of the video lens.

As the user moves the focus further away from the current scene, the 'dot indication' or the timeline moves in parallel, suggesting where on the timeline this scene belongs.



Media Player: jumping to a different scene

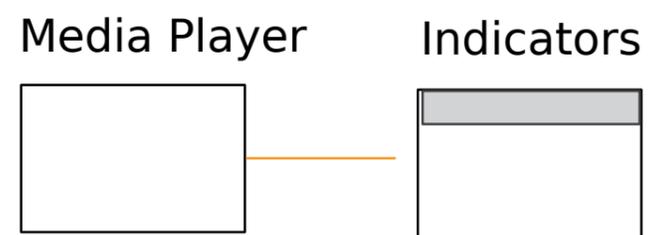


When a different scene is selected, the movie jumps to that particular scene and the timeline gets updated to show the right portion of played movie and remaining time.

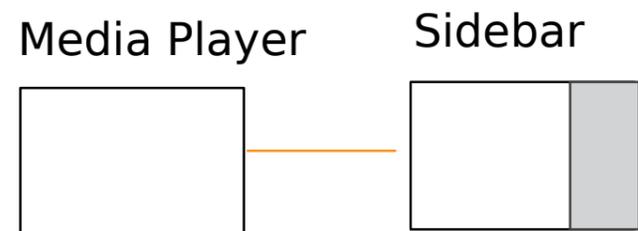
Then the timeline UI disappears altogether if the user does not do any other actions (time out).



6. Adjust the volume while watching a movie



7. Choose a different language or subtitles for a movie



Media Player: choosing a different language

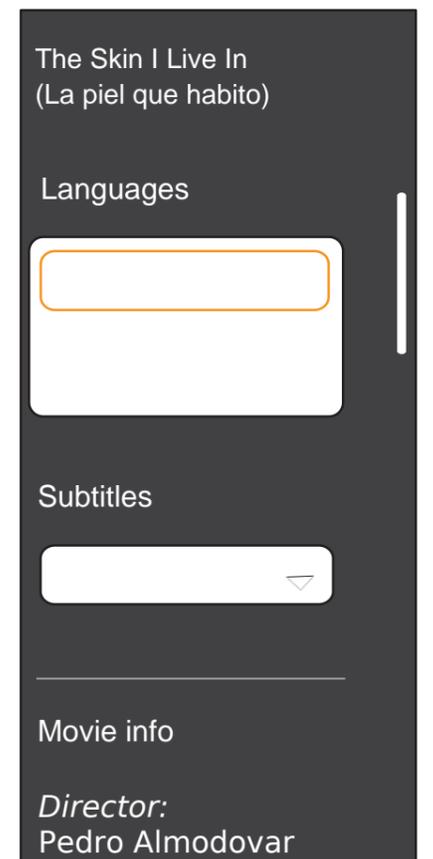
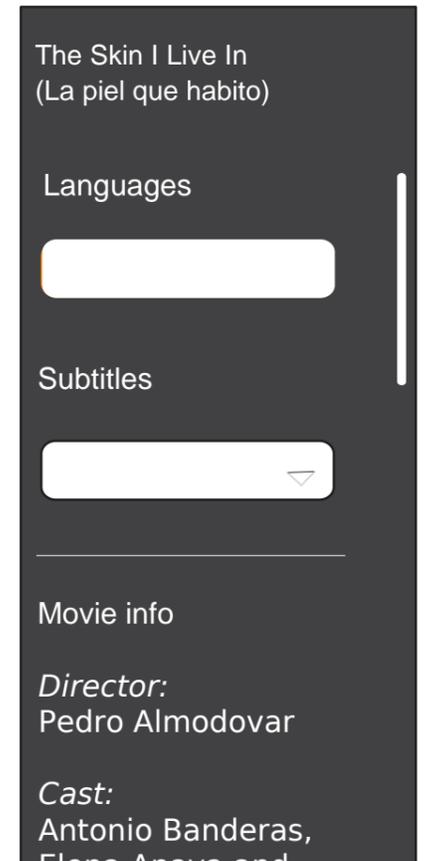
The language and subtitle options are available as drop down boxes, like the options of the Video Lens side bar.

Selecting a drop down box (e.g. languages) will expand the box downwards and push all other sidebar content downwards. The box can take as much space as needed within the sidebar.

If there are too many items to fit in the expanded box (e.g. 20 languages to choose from) then the user can scroll within the box to see the options below the fold.



SELECT



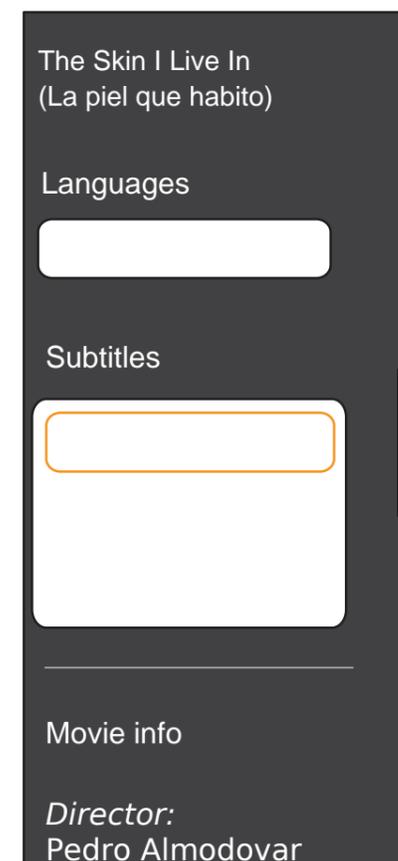
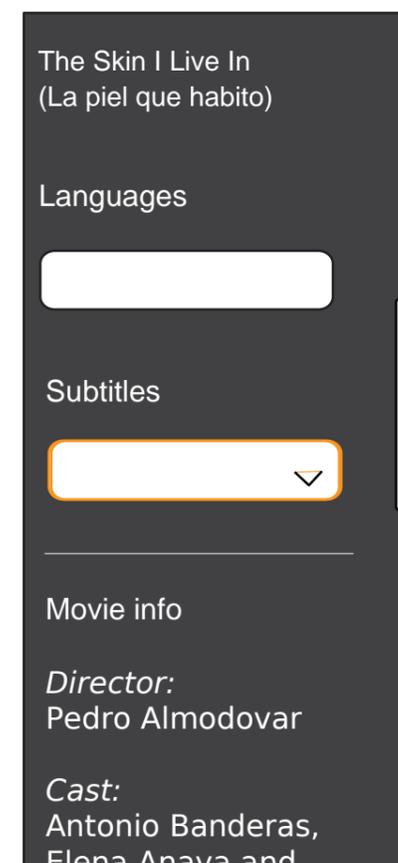
Media Player: choosing subtitles

From the language selection pressing the down key will highlight the drop down box for subtitles.

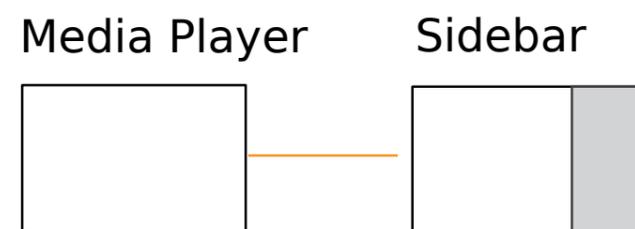
Selecting the subtitles drop down will open up all available subtitle options. Pressing 'esc/back' will contract the drop down box to its original state (single line) with the current selection in view (e.g. none).



Spa



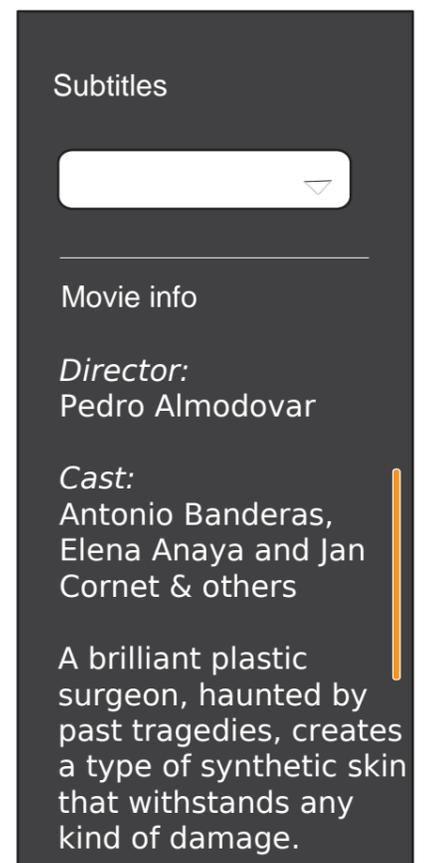
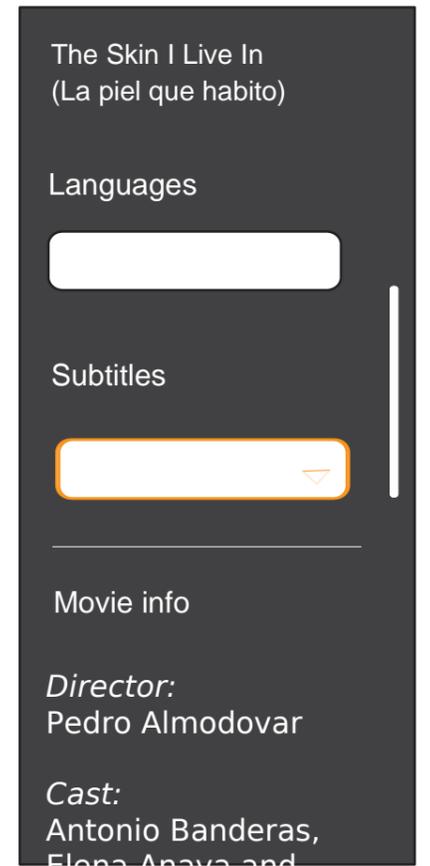
8. Read information about the movie while watching it



Media Player: viewing movie information in the side bar

The 'Movie info' section shows related information, such as director & cast, synopsis from IMDB.

The rest of the sidebar is shifted upwards to allow more space for the text and the user can scroll all the way to the bottom.



Media Player: scrolling through movie information in the side bar

DOWN
(continuous)



Pressing the down key will move scrollbar which now has the focus all the way to the bottom.

Movie info

Director:
Pedro Almodovar

Cast:
Antonio Banderas,
Elena Anaya and Jan
Cornet & others

A brilliant plastic surgeon, haunted by past tragedies, creates a type of synthetic skin that withstands any kind of damage.

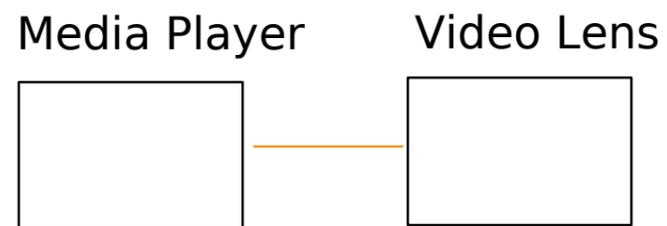
After 12 years, he manages to cultivate a skin that is a real shield against every assault.

Cast:
Antonio Banderas,
Elena Anaya and Jan
Cornet & others

A brilliant plastic surgeon, haunted by past tragedies, creates a type of synthetic skin that withstands any kind of damage.

After 12 years, he manages to cultivate a skin that is a real shield against every assault.

9. Quit the Media Player to go back to the start screen, then re
the movie that was playing before



Resuming movie playback from the start screen

When the user has paused a movie to return to the video lens, the Media Player icon is highlighted in the launcher, as the first option underneath the TV Guide.

Media Player →



By selecting the Media Player again at any point in time, the user can resume playback play the movie from start.

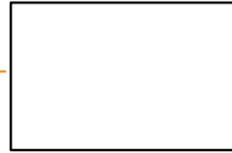


10. From the start screen, open the TV Guide and find a program to watch or set a reminder for a forthcoming program

Video Lens



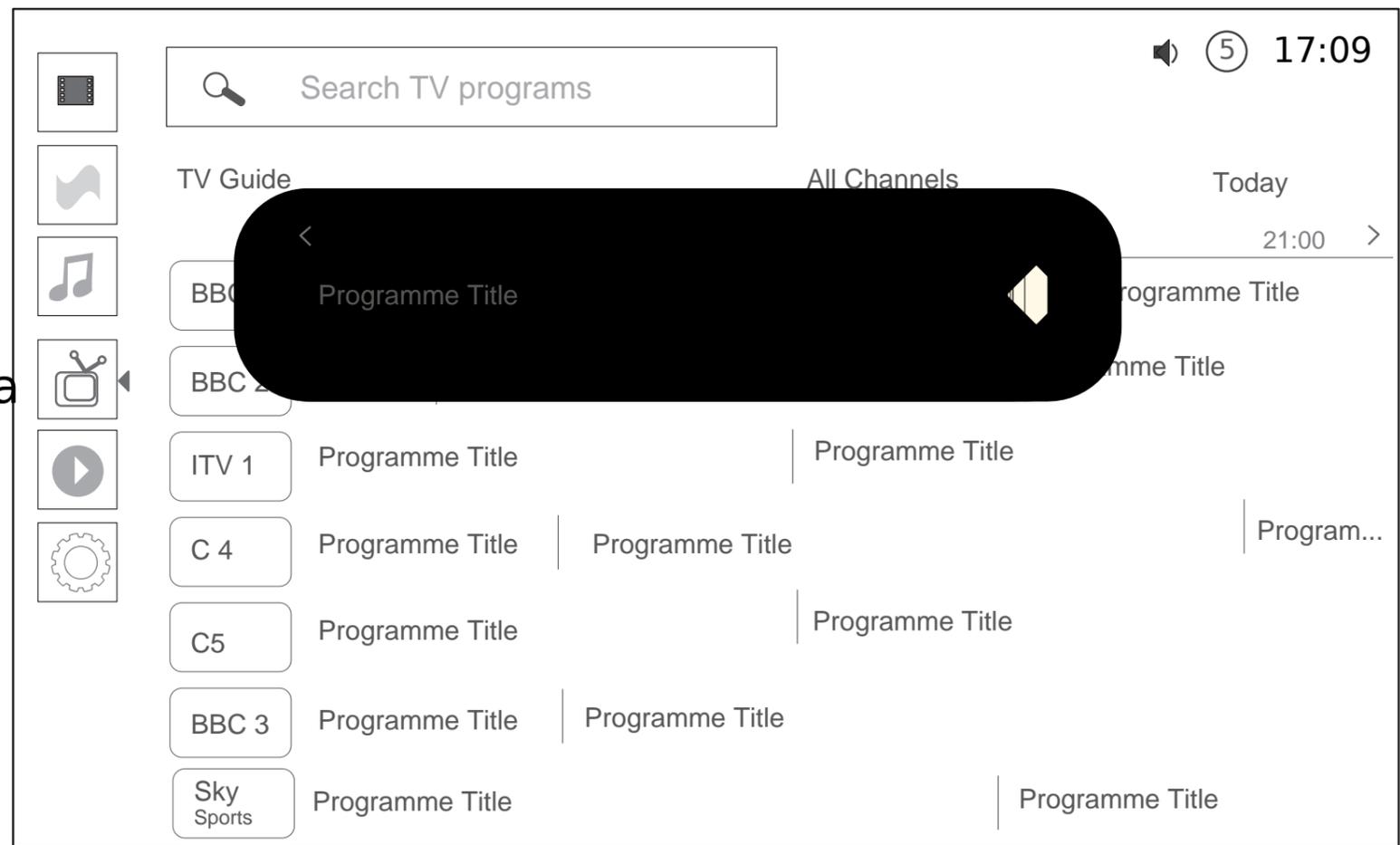
TV Guide app



TV Guide

The TV Guide is a lens that can be selected from the launcher.

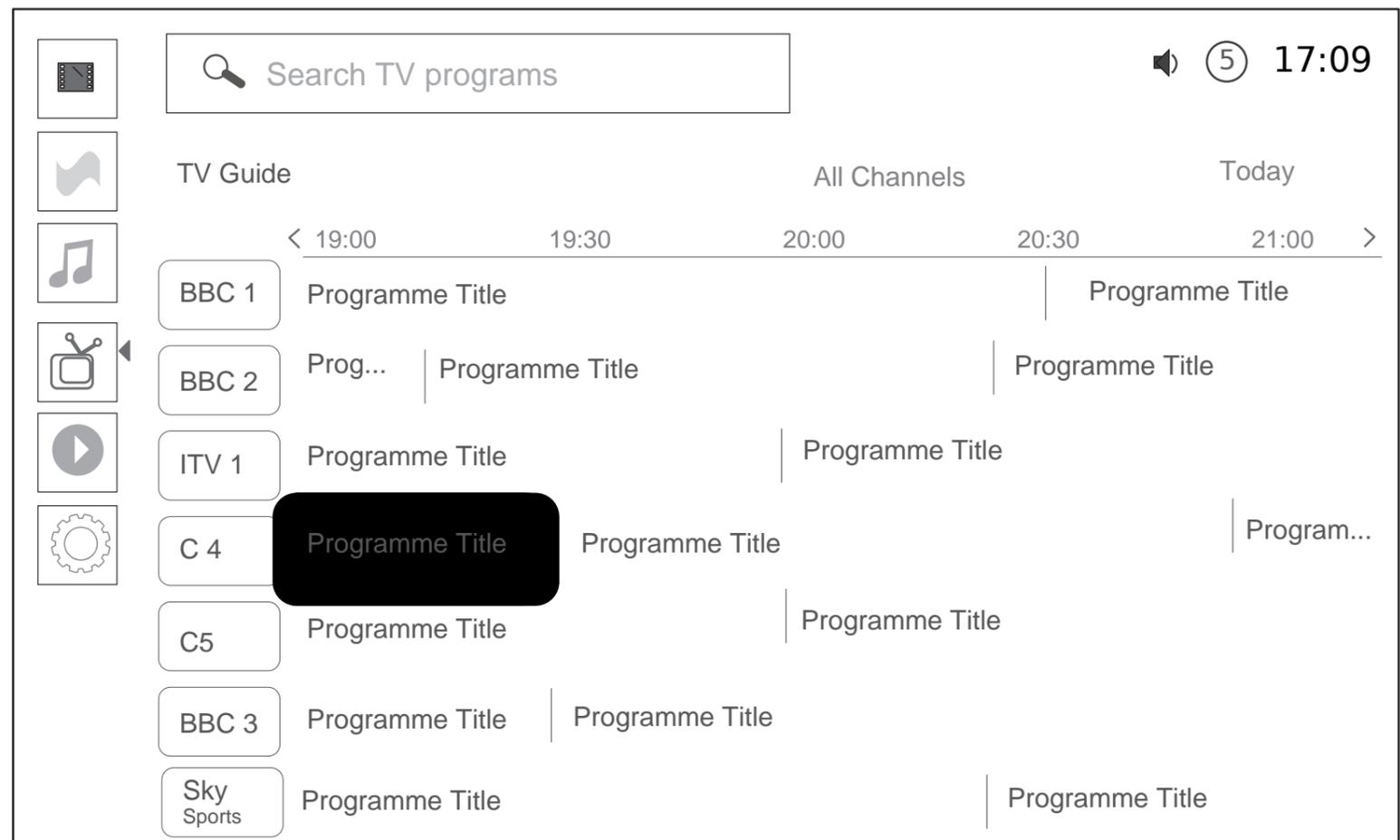
The user can move the focus right/left (time) and up/down (channels) to select a TV program.



(Screen in transition)

The user can accelerate scrolling through the list by pressing the down/up keys continuously. The focus becomes fixed in the middle of the list - as shown here (to be tested)

DOWN



TV Guide: Preview of program

A preview appears as an overlay over the screen, in the same way as for the content in the video lens.

If the program has already started or is about to start, the default action is 'Watch'. If the program will start at a future time, the default option reads 'record'.



The screenshot shows a dark grey overlay for a program titled "18:00 BBC News". On the left is a vertical toolbar with icons for a video lens, a wavy line, music notes, a TV with a play button, a play button, and a gear. The main text area contains the program title, a status "Started 2 mins ago", a description: "The latest national and international news stories from the BBC News team, with reports from BBC correspondents worldwide, followed by weather and local news.", and a duration of "60 mins". At the bottom are two buttons: "Watch" (highlighted with an orange border) and "Record".

Selecting 'record' would add this program to the list of programs to be recorded.

With 'remind me', the user will receive a notification when the program is about to start with the option of switching channel. Reminders should be removable. E.g. the button would read 'remove reminder' once a reminder has been set.



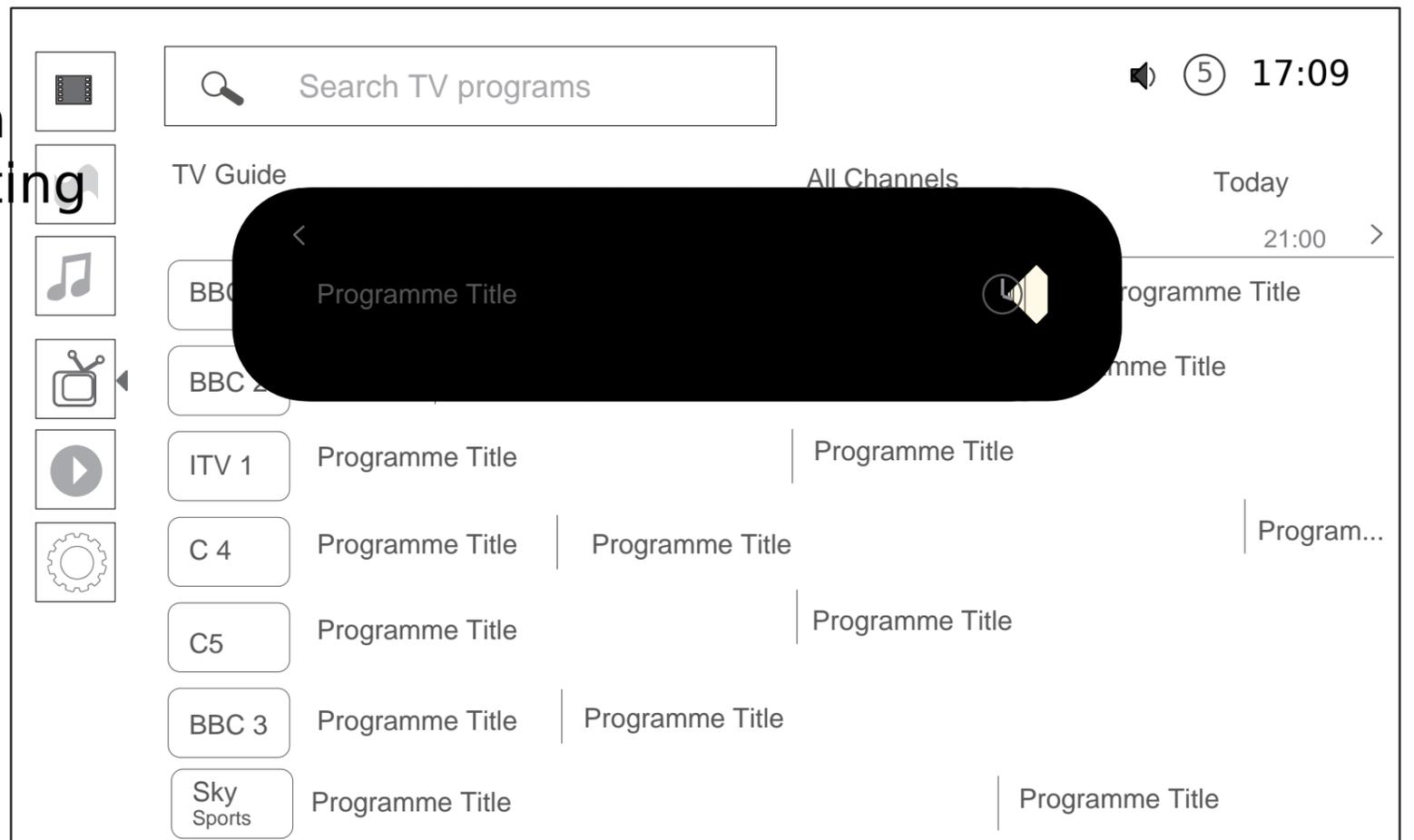
The screenshot shows a dark grey overlay for a program titled "18:00 BBC News". On the left is a vertical toolbar with icons for a video lens, a wavy line, music notes, a TV with a play button, a play button, and a gear. The main text area contains the program title, a status "Started 2 mins ago", a description: "The latest national and international news stories from the BBC News team, with reports from BBC correspondents worldwide, followed by weather and local news.", and a duration of "60 mins". At the bottom are two buttons: "Record" (highlighted with an orange border) and "Remind me".

TV Guide: Feedback on having added a reminder

The user chooses to set a reminder for a program instead of recording it.



They return to the TV Guide where the preview was selected from. The program has a 'reminder icon' next to it, indicating that a reminder has been set.



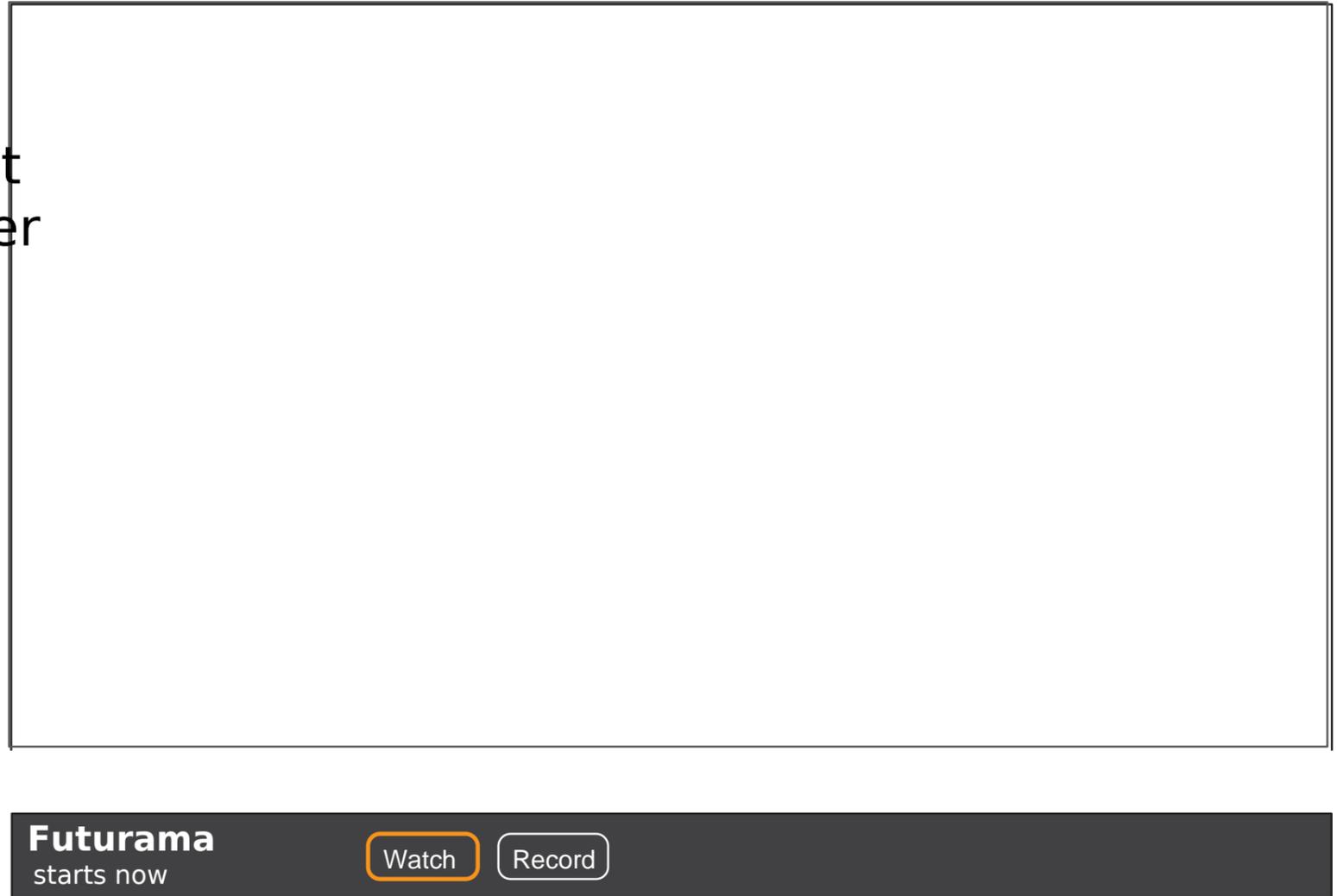
Notification - upcoming live program reminder

When a reminder has been set for a program, a notification drops down from the top of the screen. The default action is to watch the program the user is being reminded of.

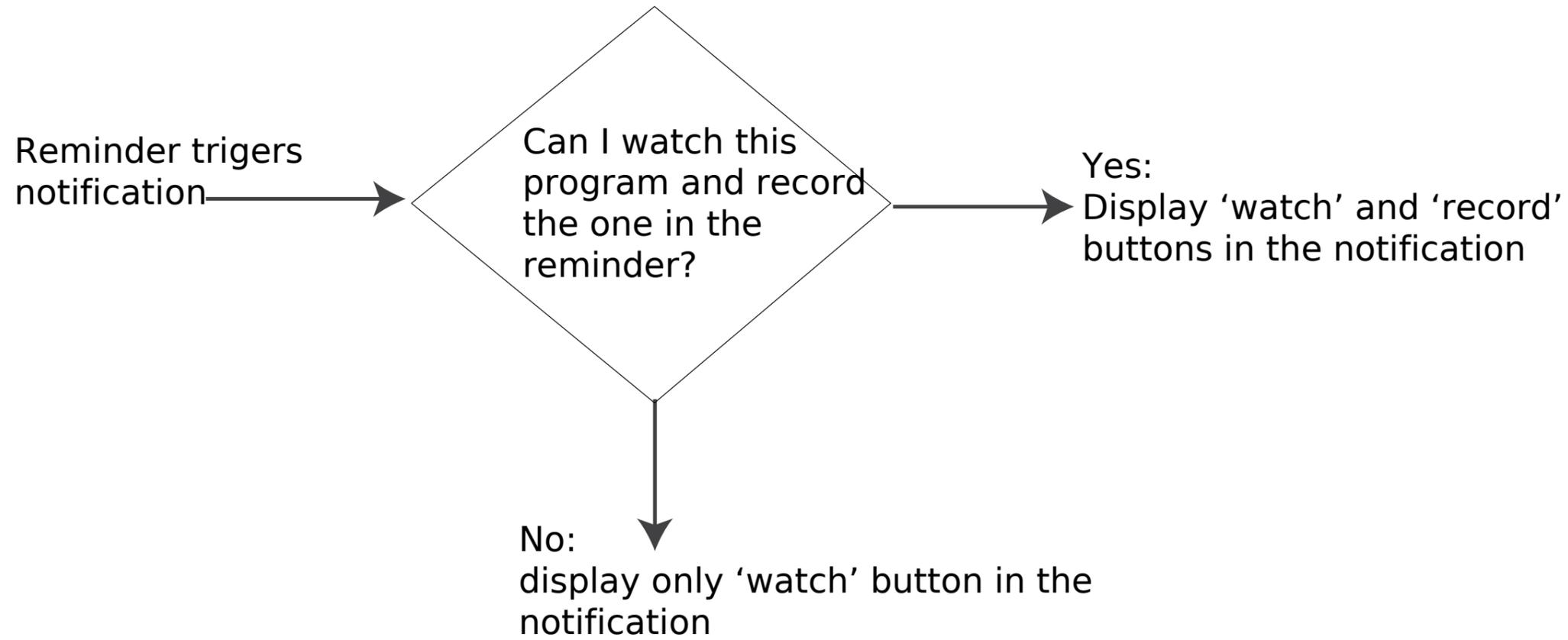
The user can also press 'back/ esc' to ignore the notification and make it disappear off the screen.

CONDITION:

The 'record' button option appears ONLY if it is possible to record the other program while watching the current one. For single tuner TVs, the system would need to check if this possible first (next slide).



Notification - upcoming live program reminder



Futurama
starts now

Watch

TV reminders and indicators

This concept for reminders can become integrated with the indicators panel.

The indicators should not be shown every time a new reminder slides in because they are not relevant.

If the user brings up the indicators with the relevant key (top edge key) though, they can see both the indicators as well as the latest reminder - if the reminder is still valid

In this way, the user can get back to a reminder they might have ignored while watching another program.

Futurama
starts now

Watch



17:09

More than one reminders for the same timeframe

In the unusual, yet possible situation in which more than one reminders have been set for the same timeframe (e.g. by different members of the family wanting to watch different programs), it is possible to see more than one. An indication (arrow) appears suggesting there is more content and the user can use the down key to bring up another (or more) reminders.



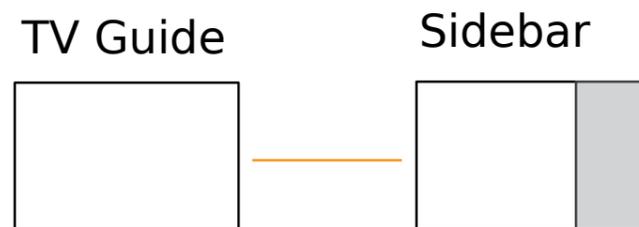
DOWN



Next reminder appears (from below upwards)

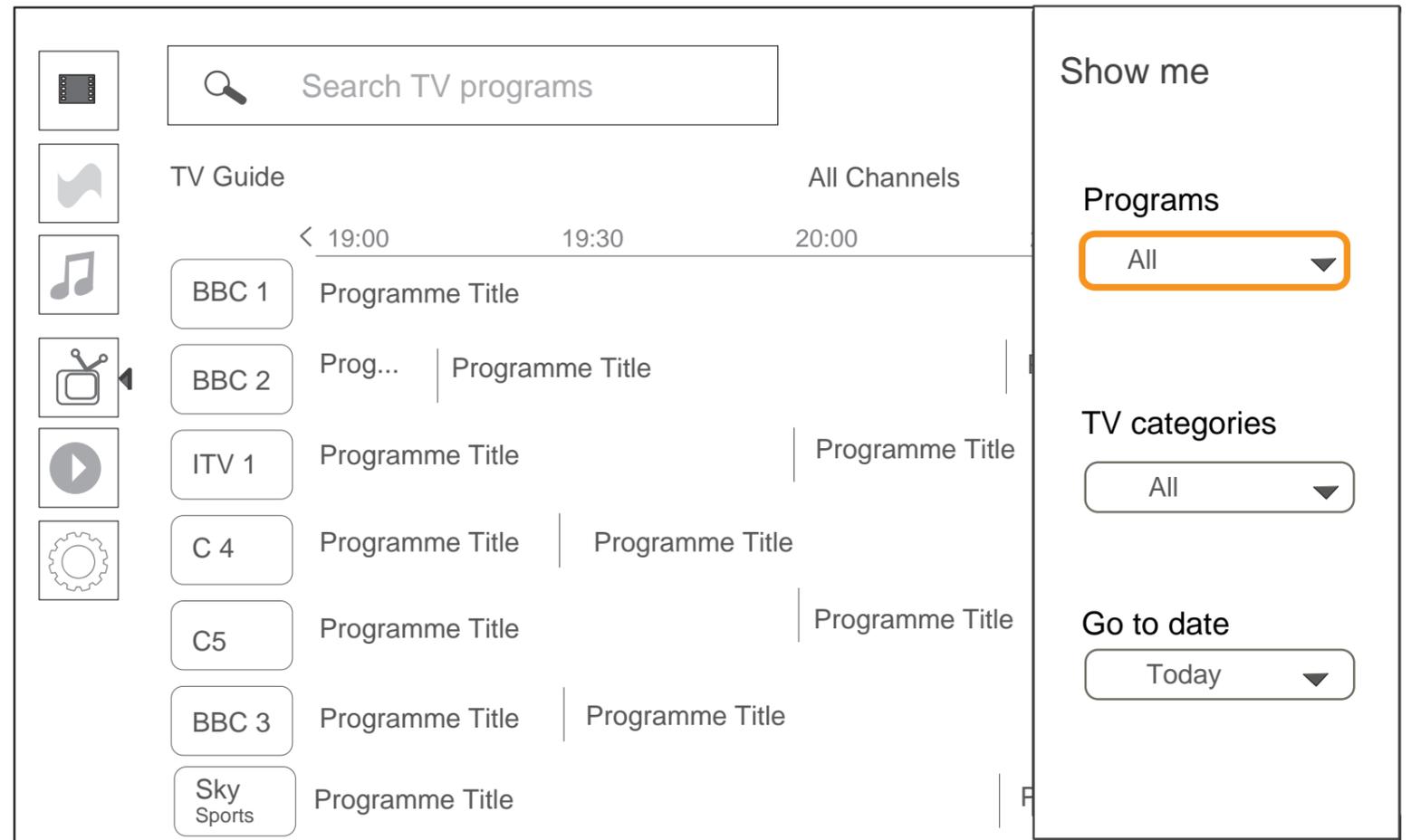


11. In the TV Guide, show only the recently used channels



TV Guide - side bar tools

The TV Guide has a side bar menu, triggered with a right edge gesture on the trackpad remote or a dedicated key on the low end remote.



These are all filter options. By selecting programs 'from recent channels', only channels used in the last couple of months (tbd) are shown. This is a quick way to get to frequently used channels without the need to manage favourites etc. Selecting 'recordings only' will show a list of available and scheduled TV recordings.

TV Categories

- All
- General Entertainment
- Documentary
- Children
- Lifestyle
- Movies
- Music
- News
- Sports

Programs:

- All
- From recent channels
- Recordings only

Go to date:

- Today
- Yesterday
- Tomorrow

- Wednesday
- Thursday
- Friday
- Saturday

(days starting from the day after tomorrow until a week later)

12. Watch, pause, resume live TV

TV Player



TV Player: pause and resume playback of live TV

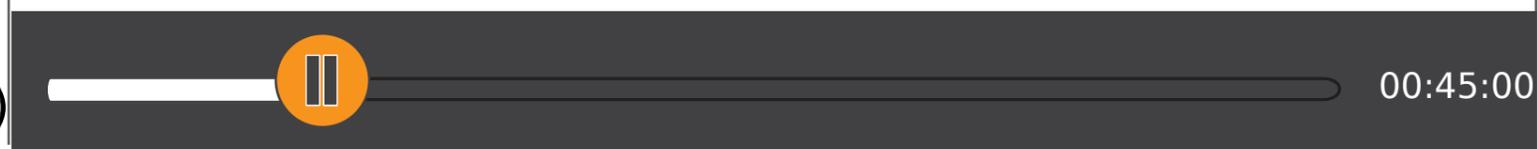
A recorded TV program would be played like a downloaded movie. The live TV player is similar to the Media Player but with less functionality (no scene selection, limited forward and backward).

Live TV can only be forwarded if it has been paused for some time and more live TV content has been loaded.

Live TV Options

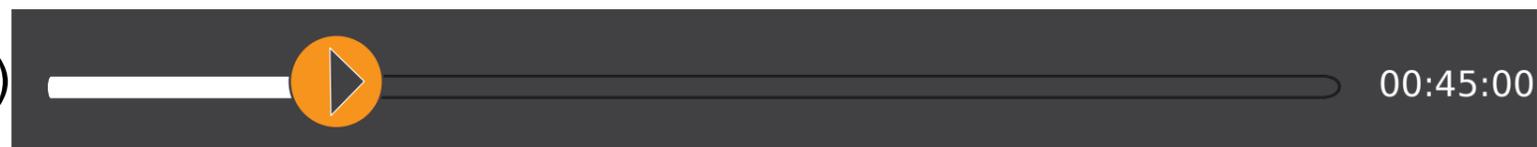
- Pause/ resume TV playback
- Backtrack the current program to the point the user started watching
- Change channel with sidebar

(playing)

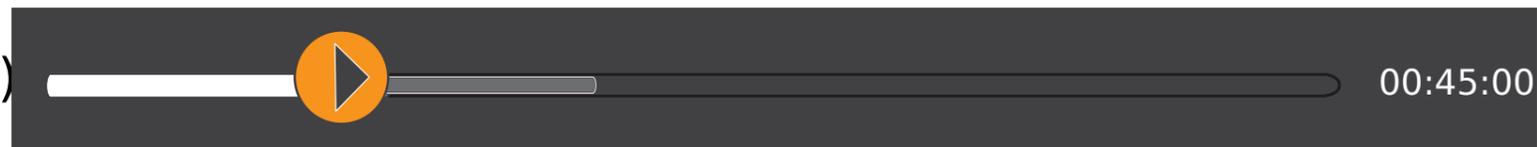


(forward is not possible)

(paused)



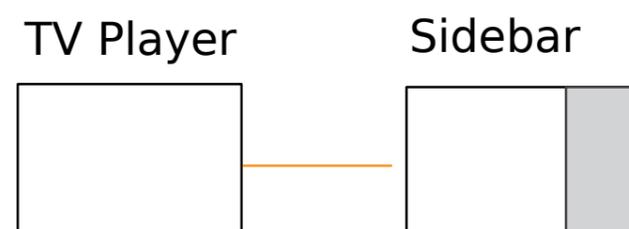
(paused)



(possible to move forward through played content)

The current program could potentially be stored temporarily to allow backtracking and enable the user to pause program for a quick break. The time shown is the remaining time until the end of the current program. After the program (when the next one begins) or if the user changes channel etc, this recording is automatically deleted. Unless this is a program the user has set to be recorded - in which case the entire program will be recorded until the user decides to delete it (see DVR use cases).

13. Change to a different channel while watching TV



Live TV: Side bar for channel switching

The user can trigger the side bar to change channels, see program information and what's coming up next.

This is not meant to replicate the full functionality of the TV Guide, but to support these very common use cases while watching TV:

- Change channel (e.g. to avoid ads)
- Find another program to watch now or when this program is finished

Now on

BBC 1: BBC News at 6



C4: The Simpsons

C5: Celebrity Come Dine with...

ITV2: The Real Housewives of...

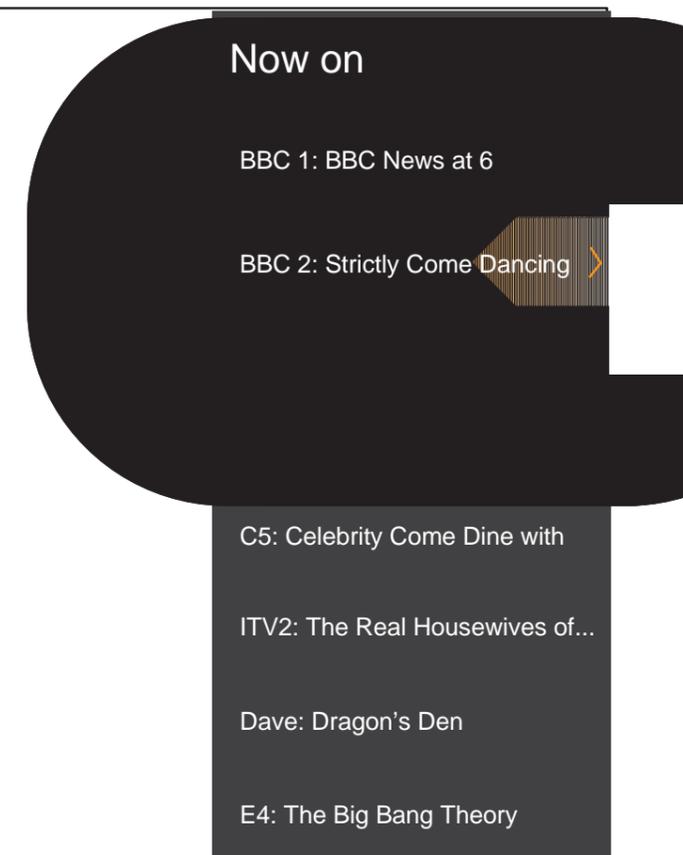
Dave: Dragon's Den

E4: The Big Bang Theory

Live TV sidebar: Channel switcher

Using the up/down keys the user can quickly go through the list of channels. When keeping the key pressed down continuously, there is acceleration through the list (tbd).

If the program title is longer than one line, it turns into a 'ticker' when highlighted, like in the example below.



DOWN KEY
x4

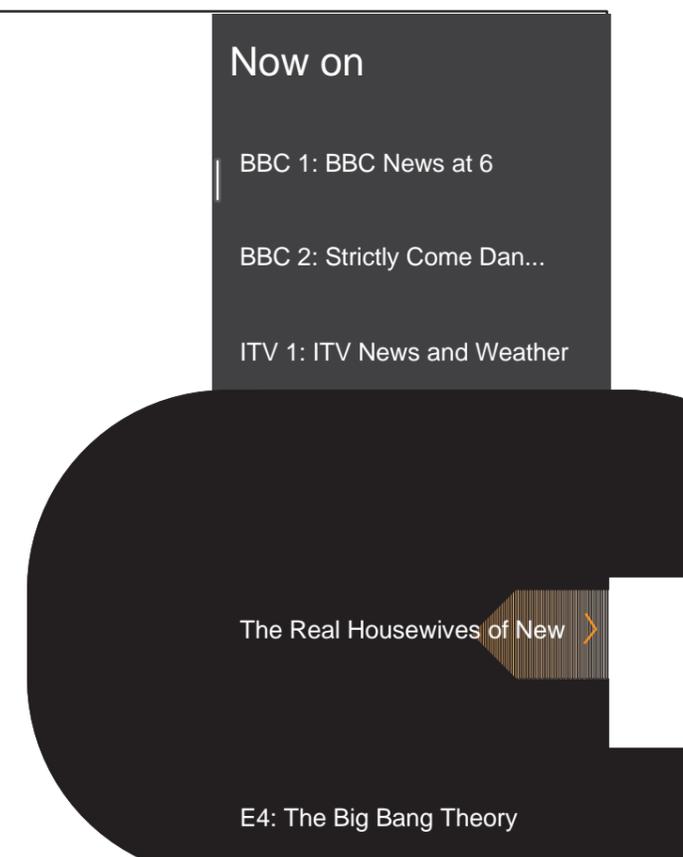


When reaching the 3rd item from the bottom of the list (to be tested) the focus becomes fixed and the list items move upwards - similarly to the fixed focus in the drop down boxes elsewhere.

SELECT



'Enter' switches the TV to the highlighted Channel - this is the most common use case for the Channel switcher.



Live TV: Program info and options

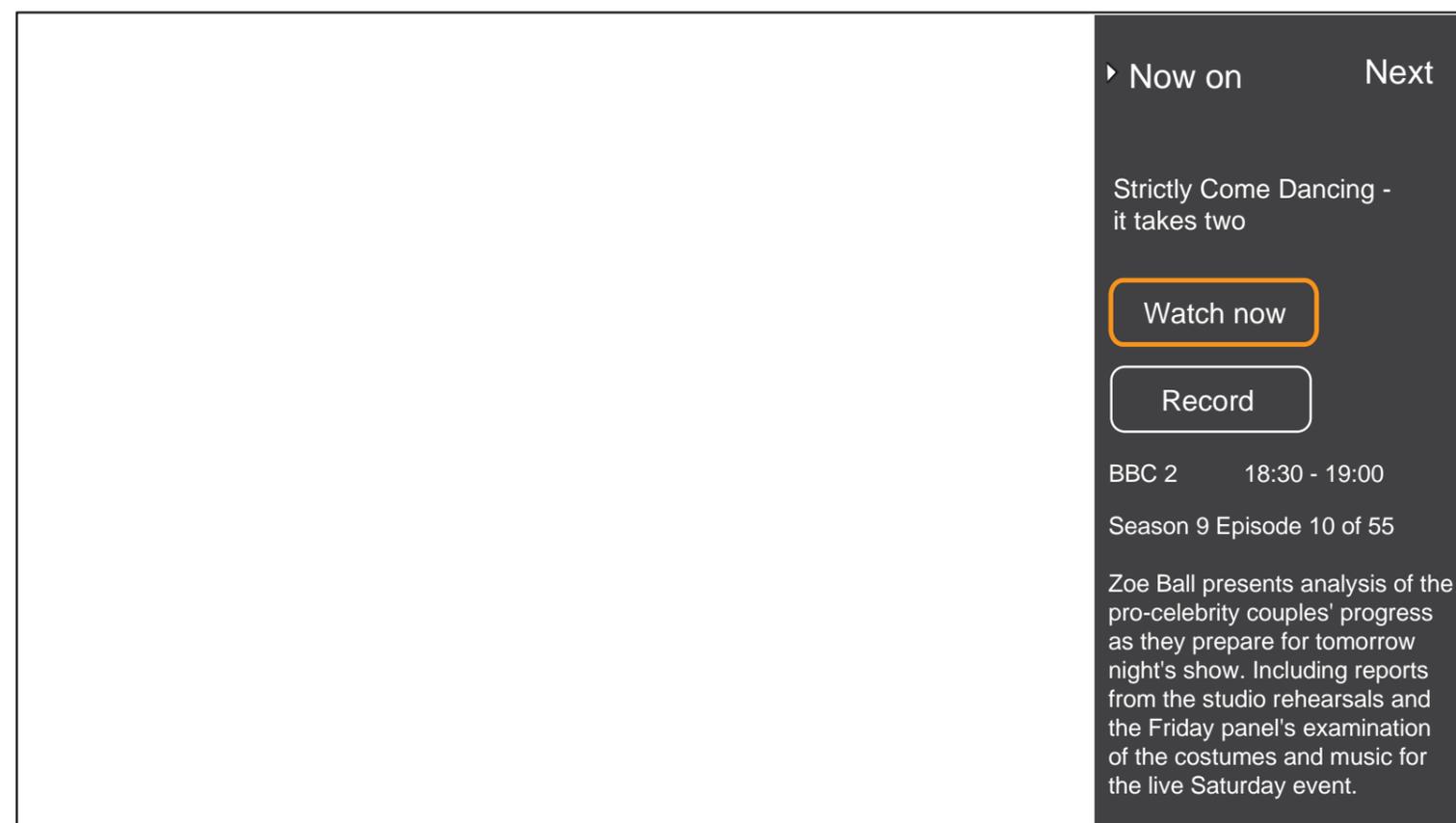
Pressing the right key brings in the detailed program information for the current program.

The user can watch the program currently on or see what's next and set a reminder/schedule a recording.

Going to the far left (left from Now on) or just pressing the 'back/Esc' will bring back the full list of TV programs. Pressing 'Esc' again will hide the side bar.

If the program information is too lengthy, there is a scrollbar.

RIGHT KEY 

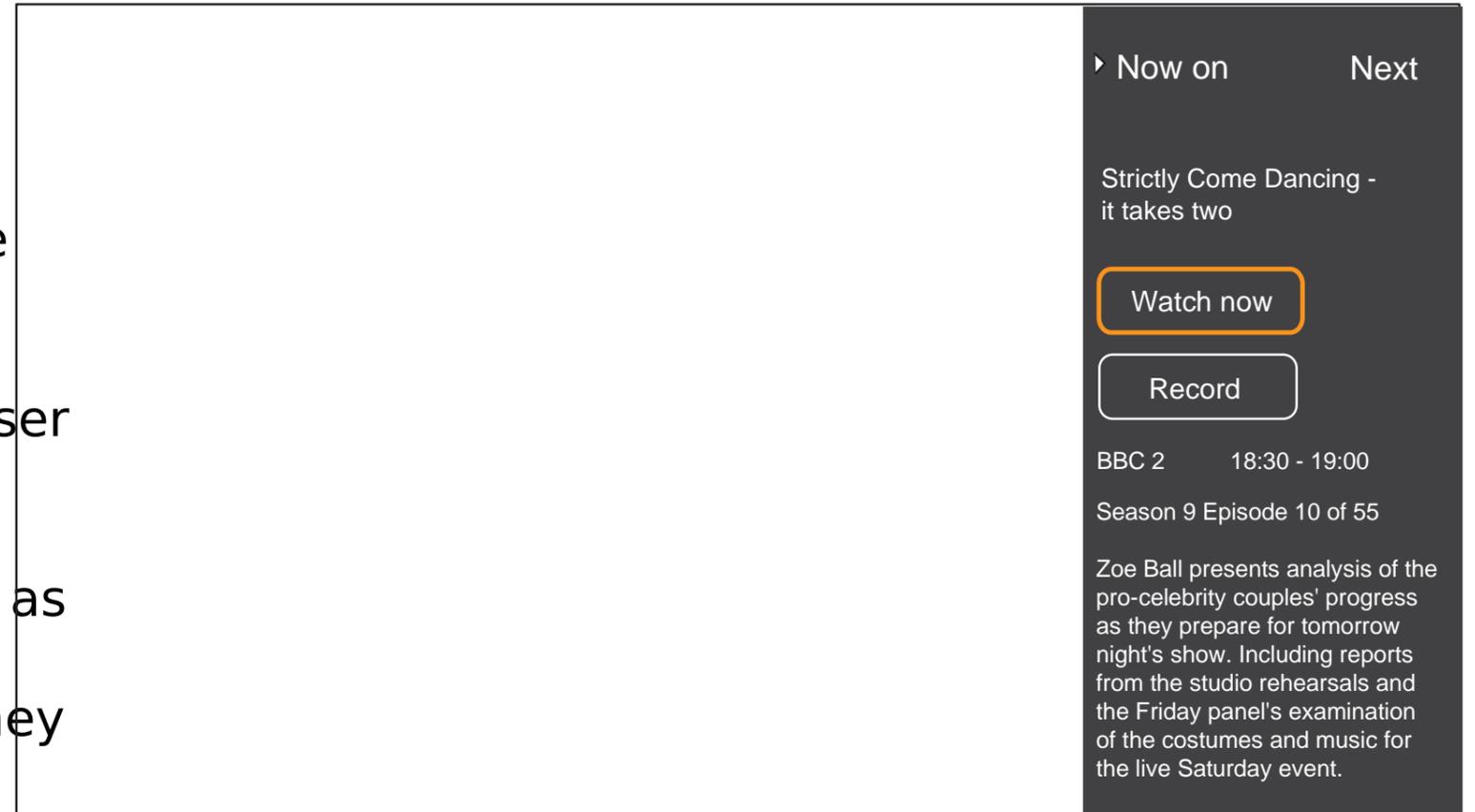


Live TV: Next program

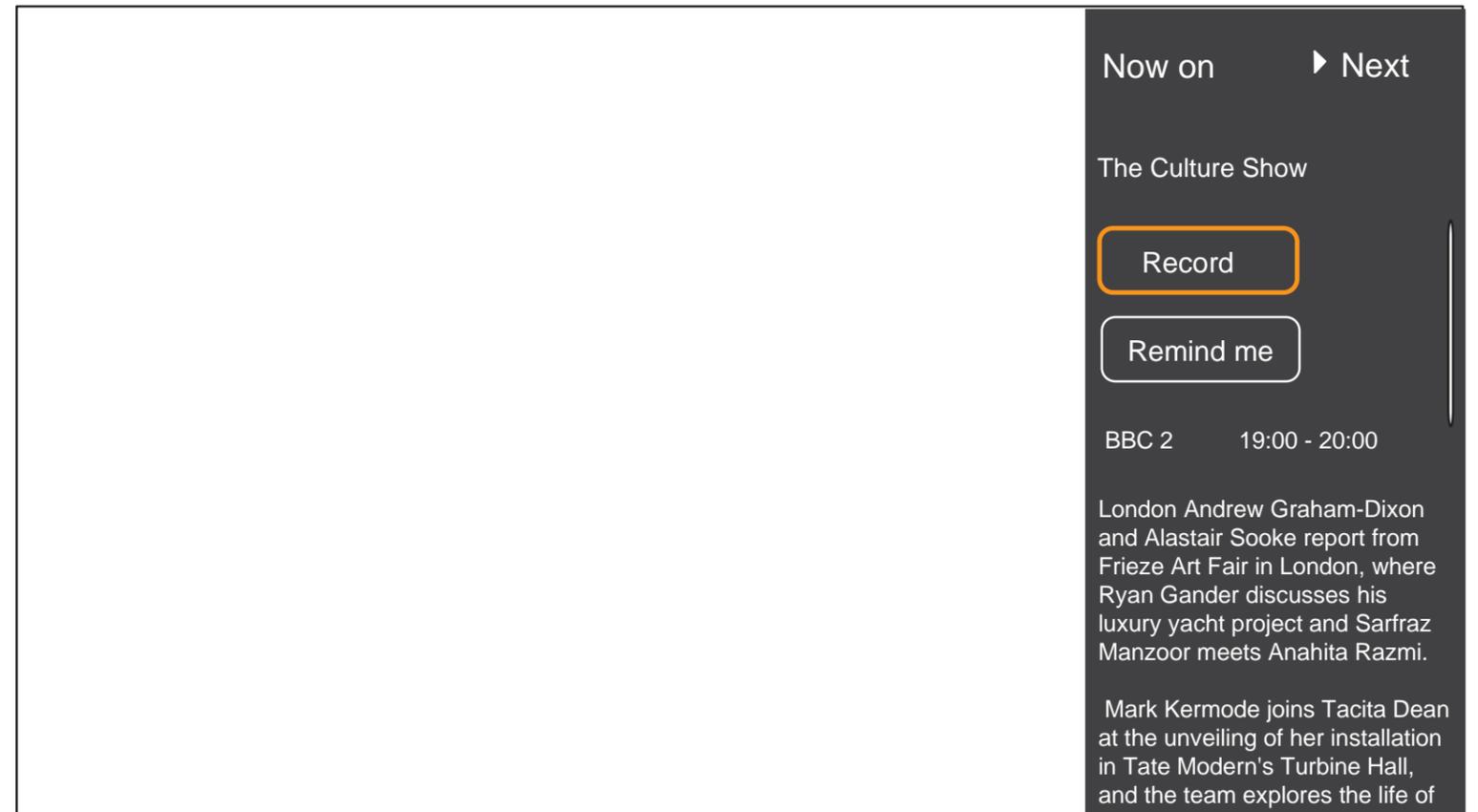
Pressing the right key would bring in the next program information on the same channel (the text slides in from right to left).

The arrow indicator shows which section the user is currently looking at ('Now on' or 'Next').

This navigation is based on the same principle as the Video Lens categories, only that there are only two options here ('Now on', 'Next') and they are laid out horizontally rather than vertically.



RIGHT KEY

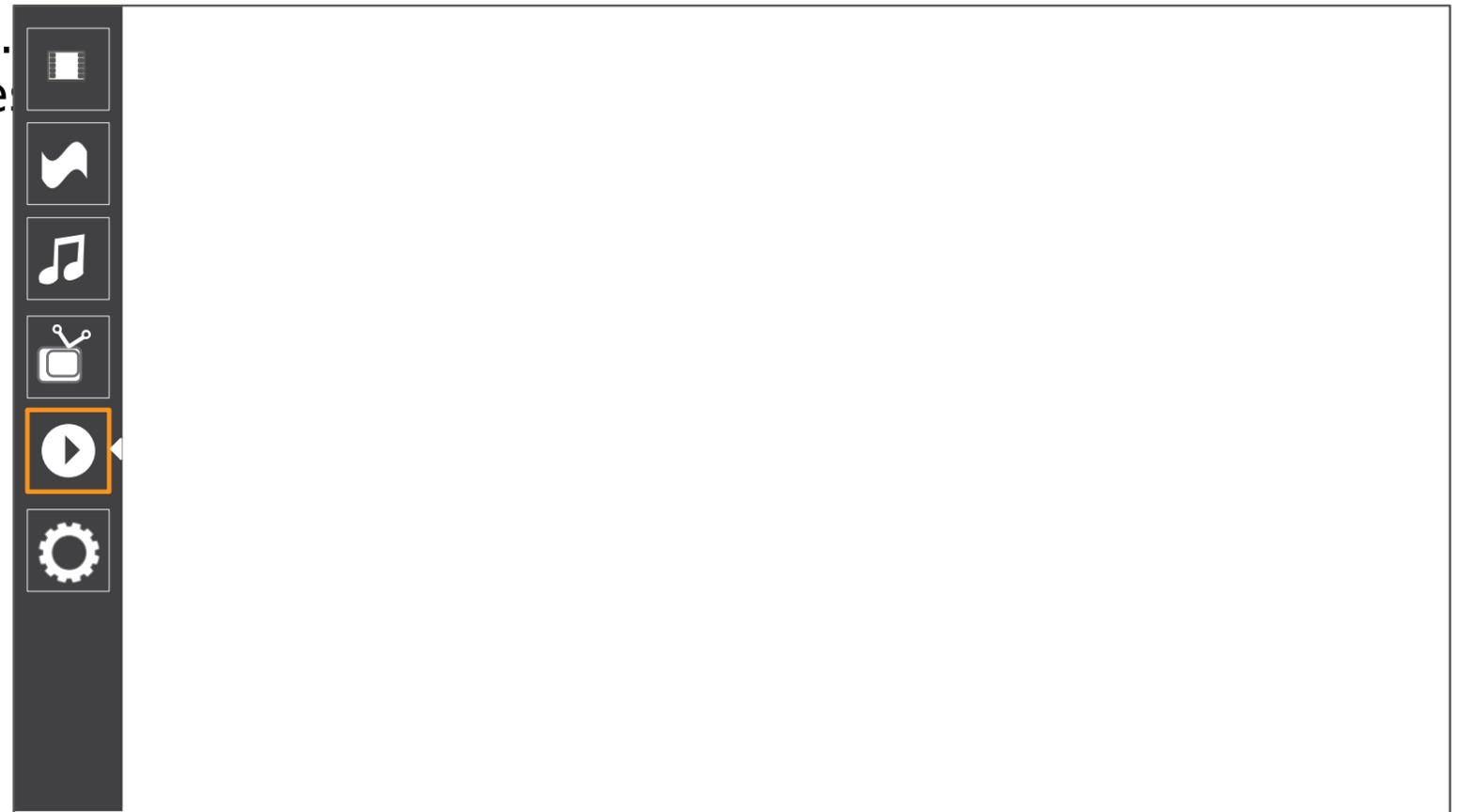


14. While watching a movie, explore other content and then return to movie watching

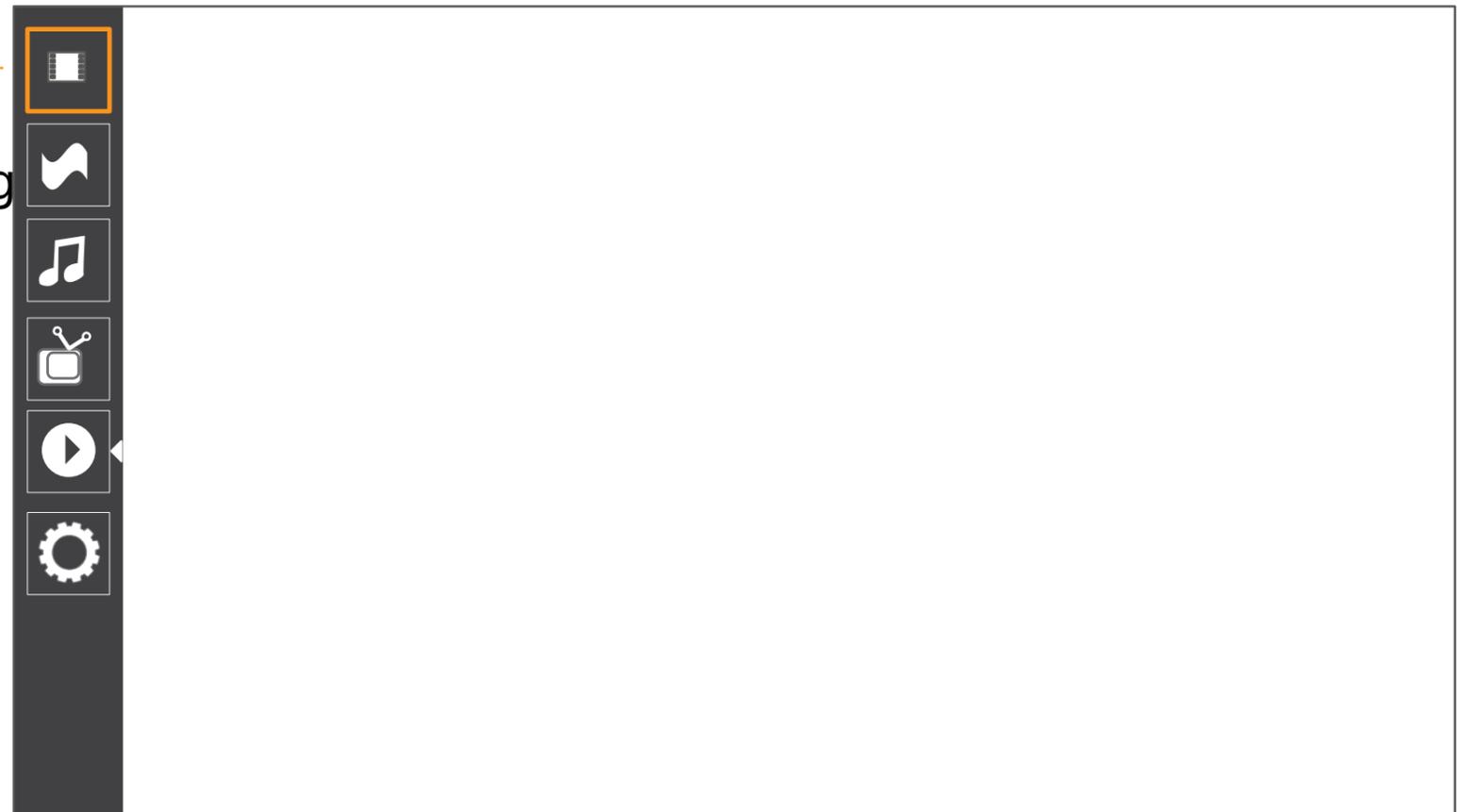
Media Player: selecting a lense or an app from the launcher

If the user selects an app from the launcher, e.g. YouTube or iPlayer, the app opens and replaces the Media Player.

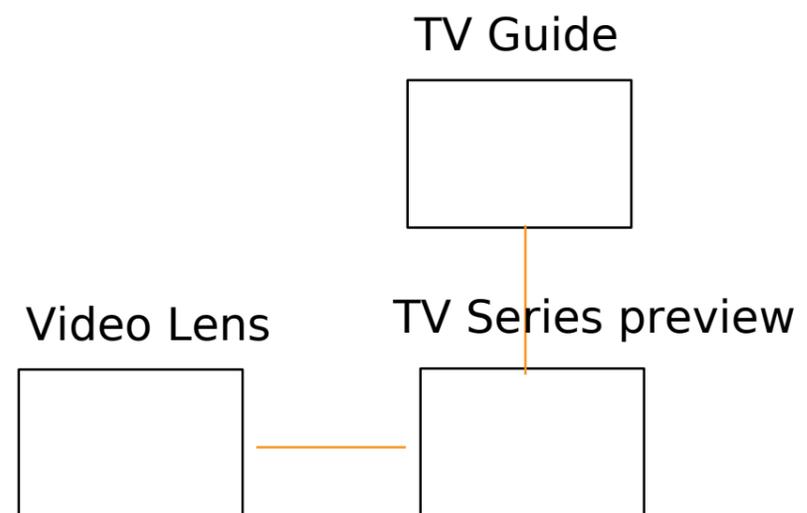
As before, the playback status of the movie is retained and the user can go back to it by opening the launcher again and selecting the Media Player.



If the user selects a lens (e.g. Video Lens) the content of the lens will be overlaid on the Media Player while the movie continues playing in the background (see next page).



15. Accessing and managing TV recordings

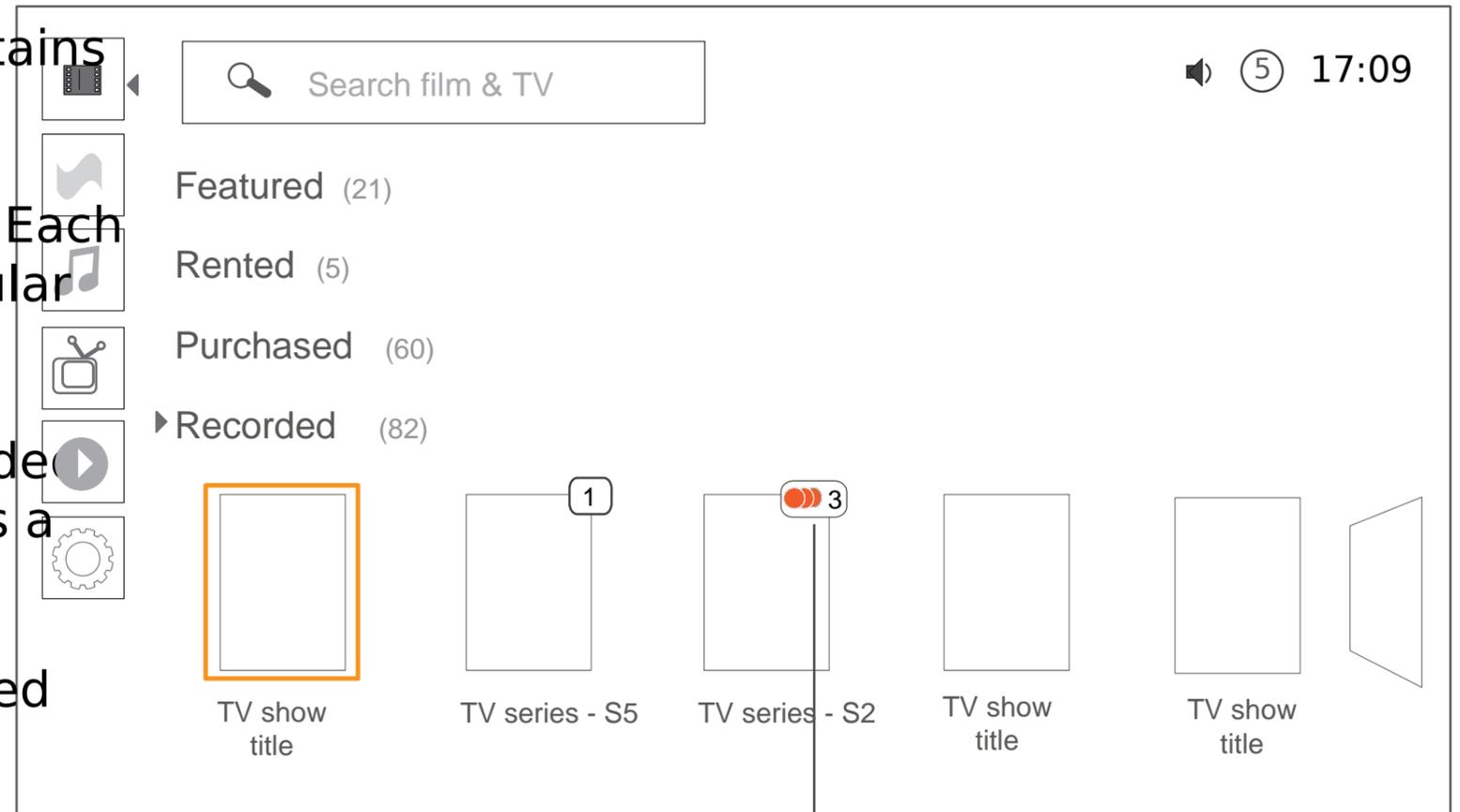


Video Lens & TV program guide: accessing recorded TV content

The Recorded category in the Video Lens contains TV content that has been from the DVR. The content is shown by recency. TV series are represented by the season DVD cover image. Each contains all the separate episodes of a particular season.

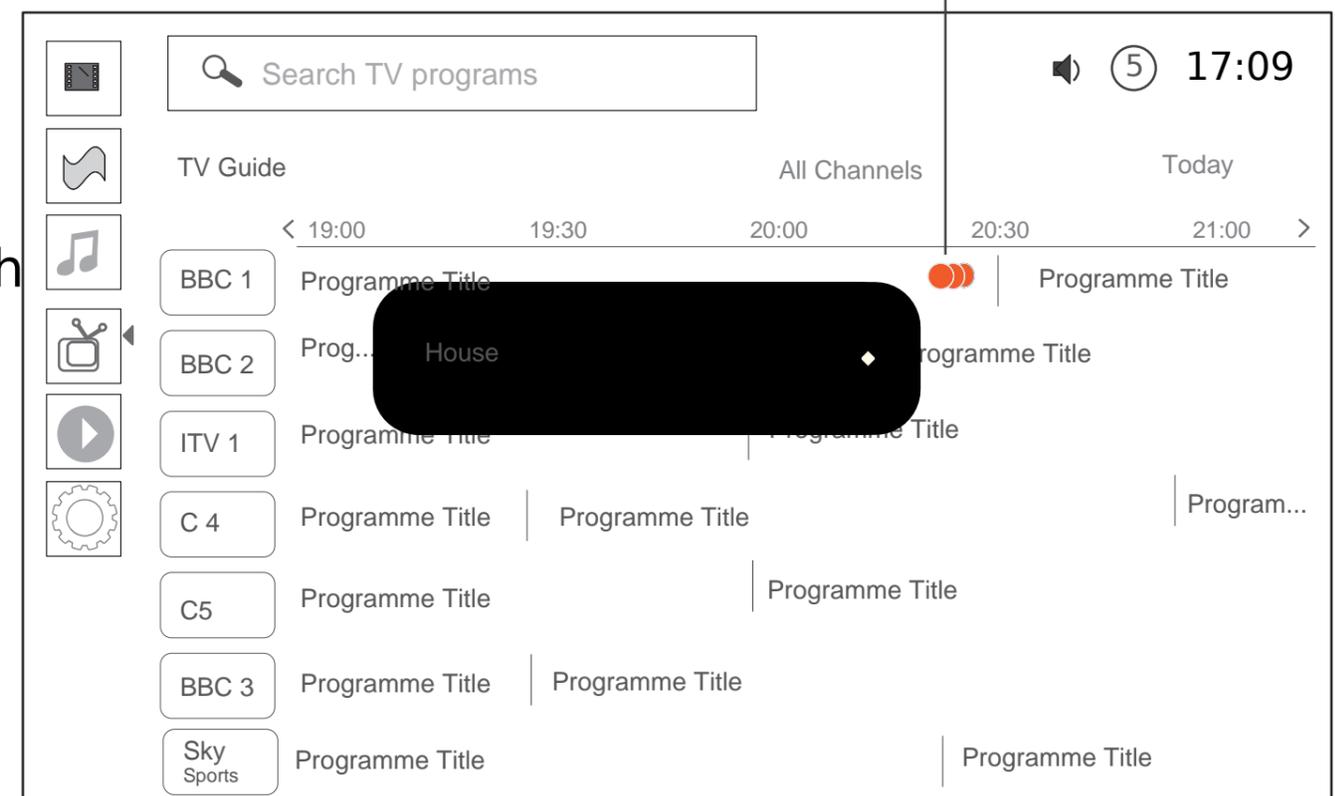
The series containing the most recently recorded episode is treated in the same way as if it was a single TV item in terms of order.

Each item shows the number of newly recorded episodes and whether there are any more scheduled recordings for the future (recording status).



Number of new episodes & recording status (set to record the whole series)

The TV program guide shows which programs have been set to be recorded with an icon indicator.

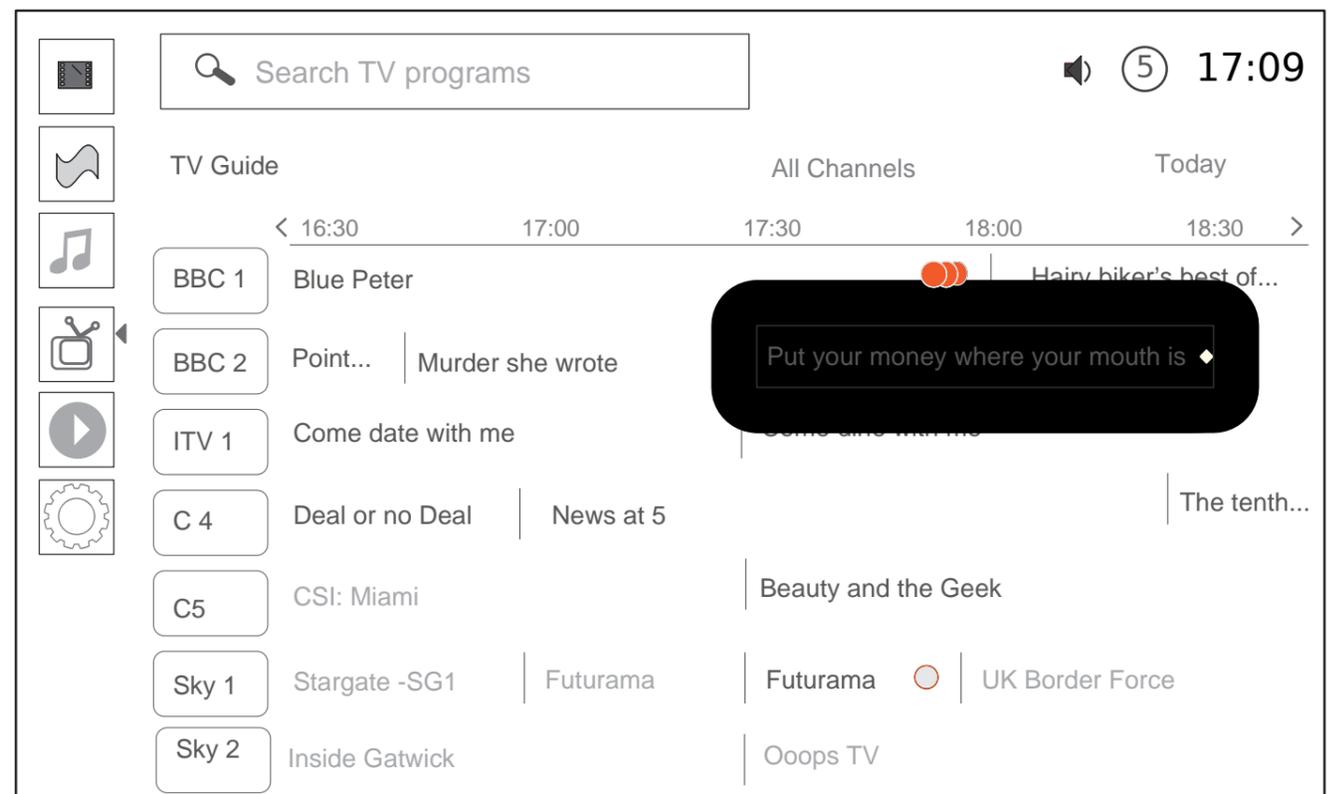
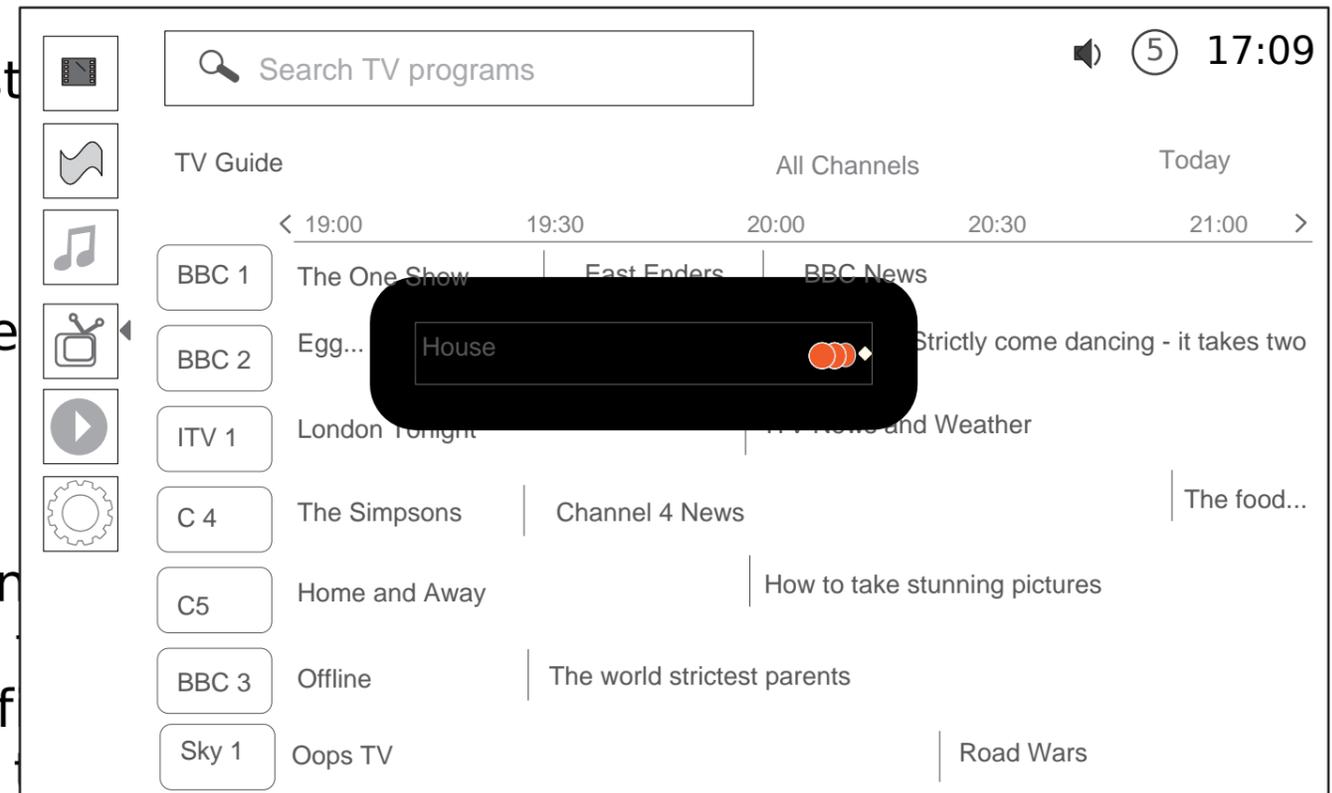


TV program guide: going back in time

When the user moves the focus on programs in the past these are no longer selectable unless:

1. They have been recorded
2. They are available online through a link to BBC iPlayer Channel 4 player etc.

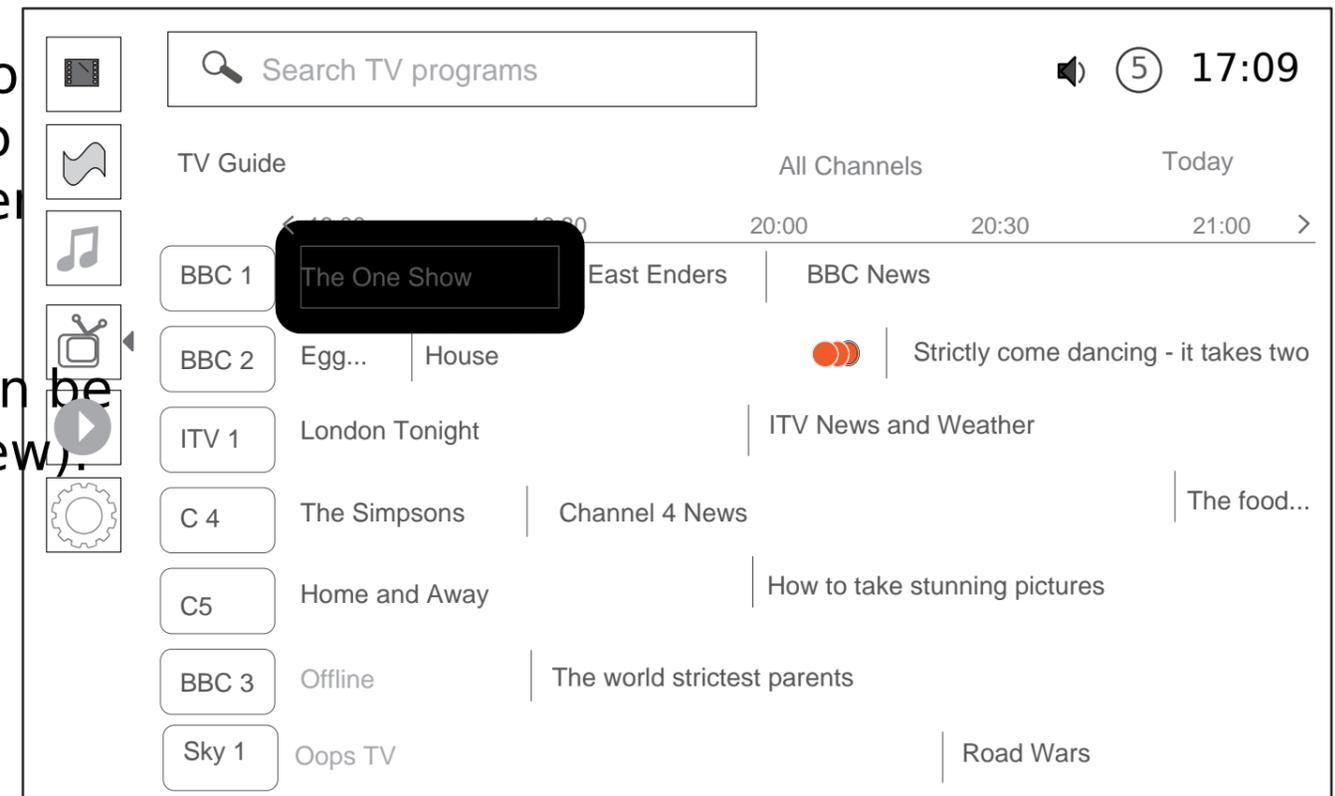
TV programs that cannot be accessed are greyed out/inactive and the focus does not rest on them. This means that it is possible to jump back in time (days/ weeks) to next available online/ recorded program from the specific Channel. If there is none available (e.g. from a Channel that does not offer its programs for replay), the focus would not move. If a channel is off air for the entire time frame displayed, it should not be shown (e.g. BBC 3)



TV program guide: accessing broadcast TV programs available online (e.g. iPlayer)

Selecting a past program that is still available online will bring up the preview for this program, with an option to watch it by streaming from the related source e.g. BBC iPlayer for all BBC content that is one week old.

If available, past TV shows/ episodes of the program can be shown here as well (see next pages for TV series Preview).



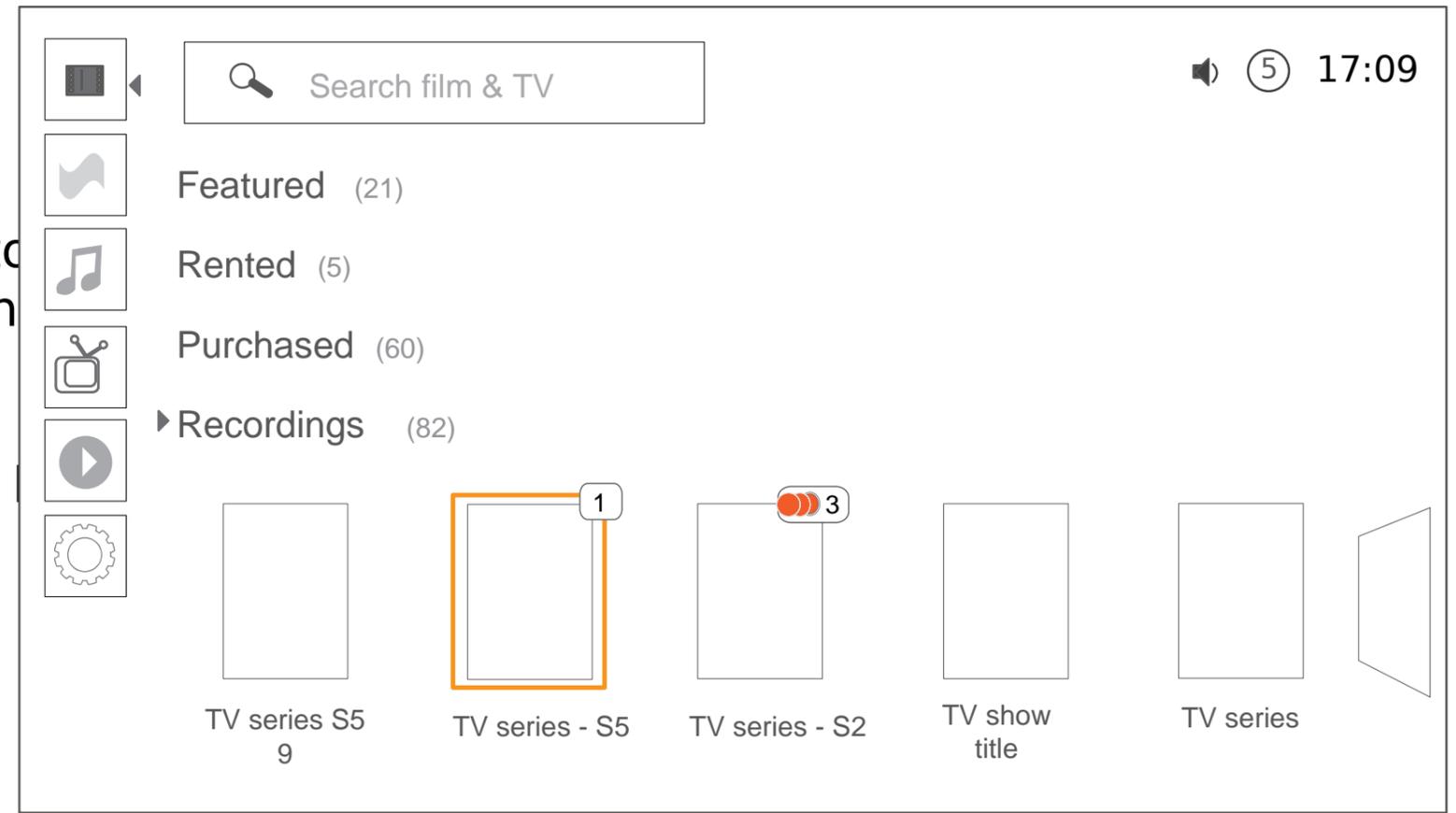
Preview: exploring TV series

When opening a TV season, it shows the most recent episode in the series.

The user can navigate through past episodes to select a different one and manage the recording of future ones.

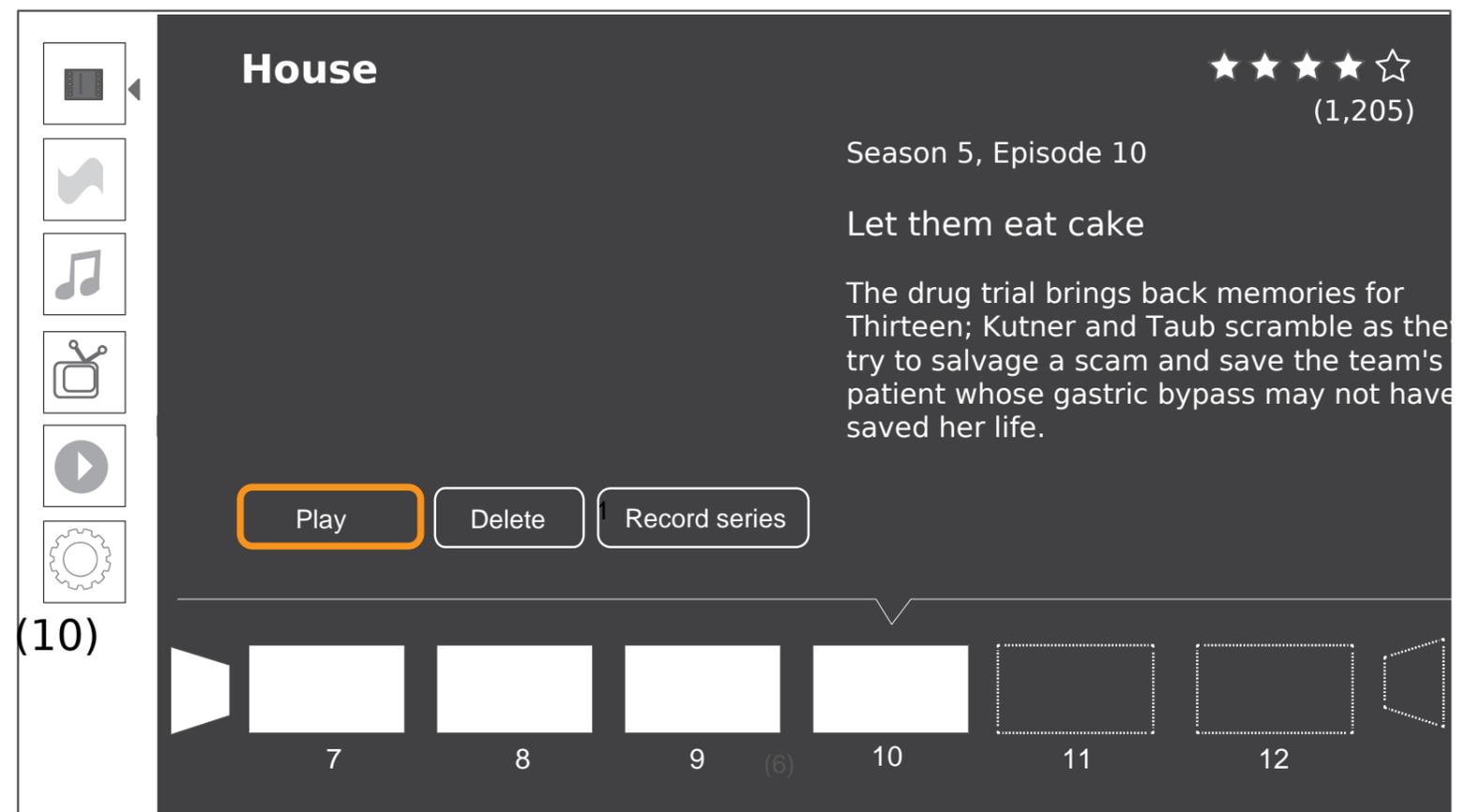
The Preview screen for a TV series should also be accessible from the TV Program Guide.

SELECT



To highlight the current episode (10) (see next)

DOWN KEY

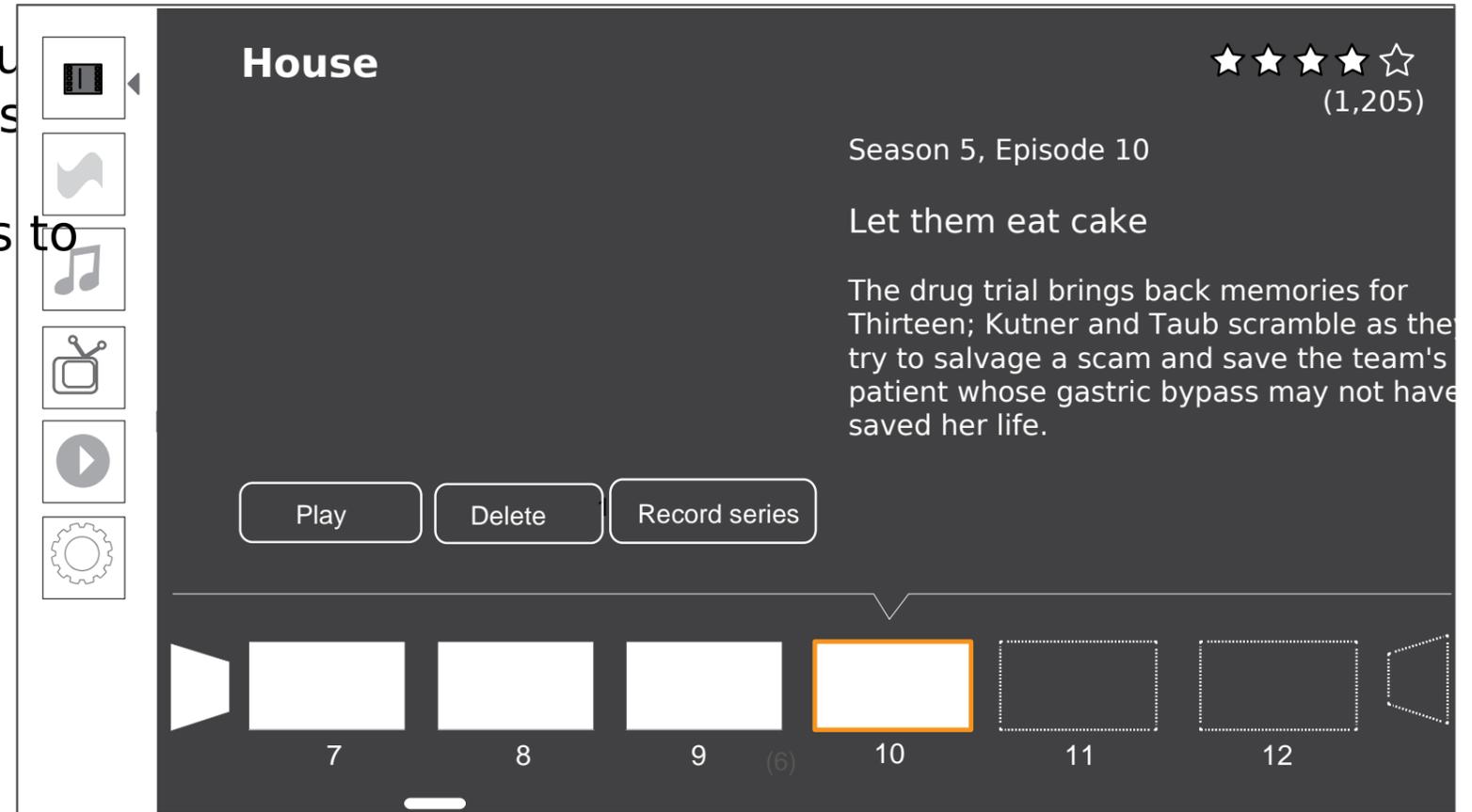


Preview: recording the next episode or the entire series

The user can schedule the recording of all future episodes. They can cancel this later if they wish to.

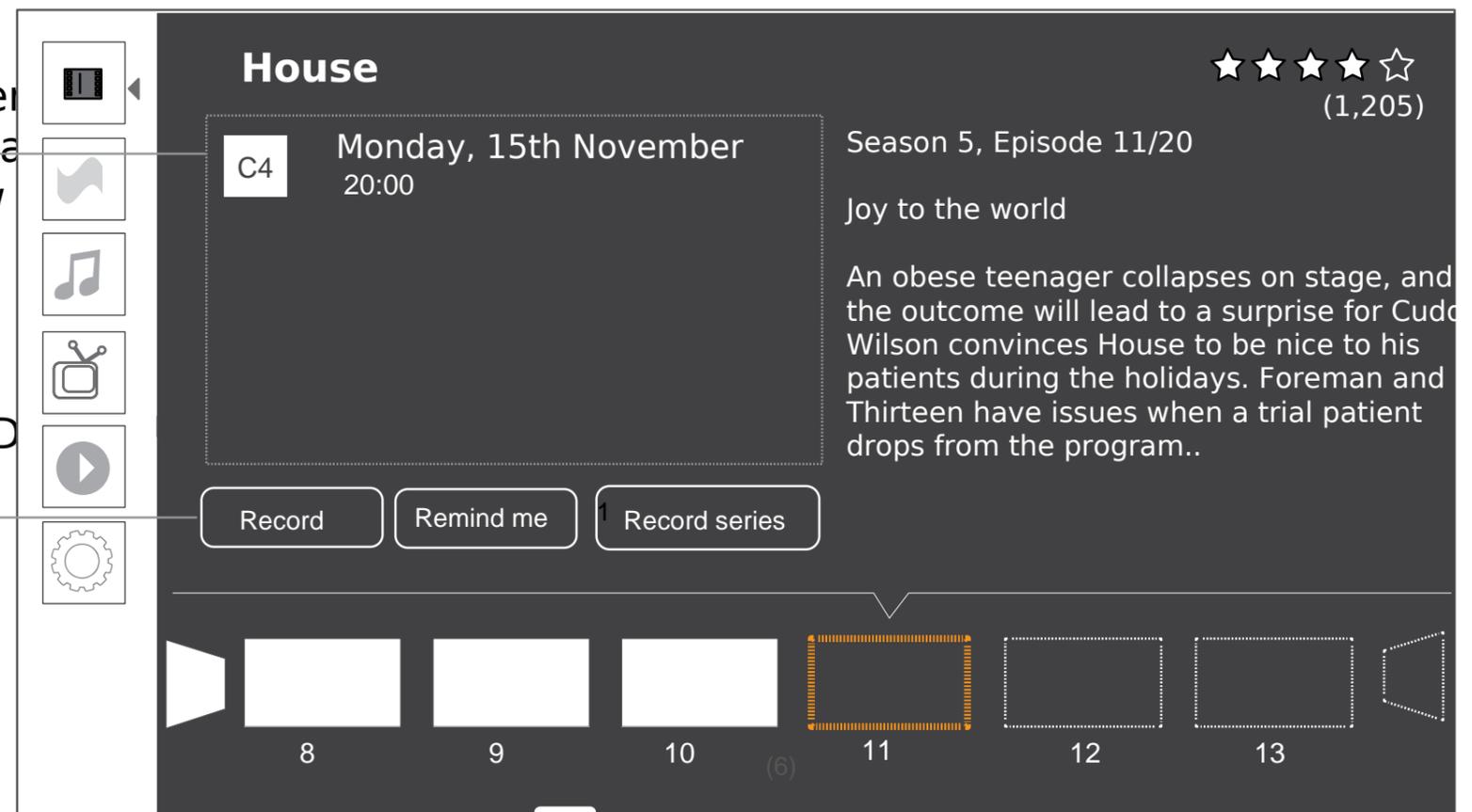
Alternatively they can select specific episodes to record.

RIGHT KEY 



If this is a season that has been on live TV before, there may be images relating to this episode on the web that can be used here. If not, or if this is a completely new series, there is program information.

If the same episode is available from at least one VoD content provider/ partner 'buy' could also be an option here, after 'Record', which would initiate a purchase process.



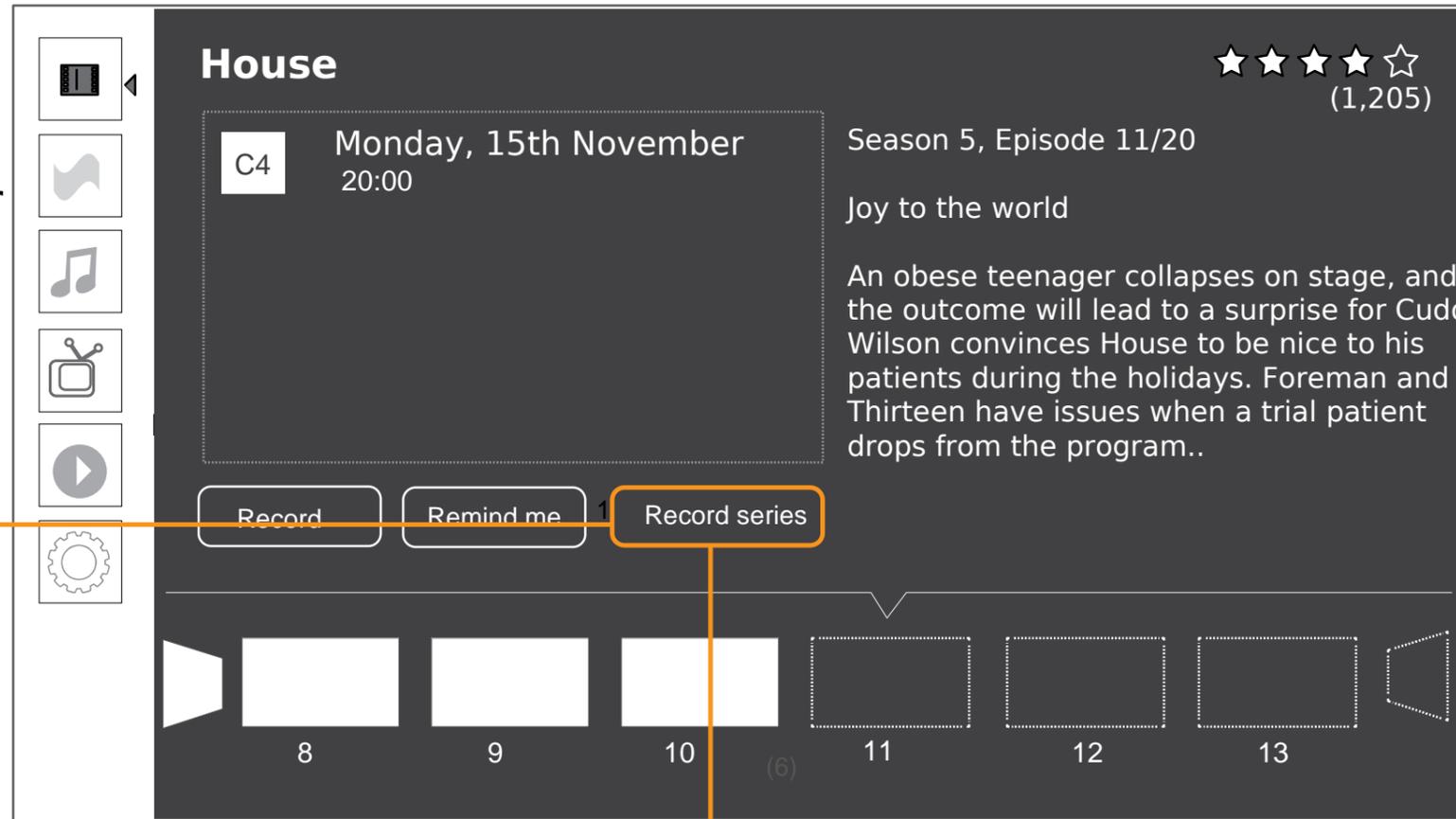
Preview: scheduling a recording - feedback

The user selects 'record series'. They then return to the screen where they selected the program from - either the TV category of the Video Lens or the TV program guide. The recording indication appears on the program.

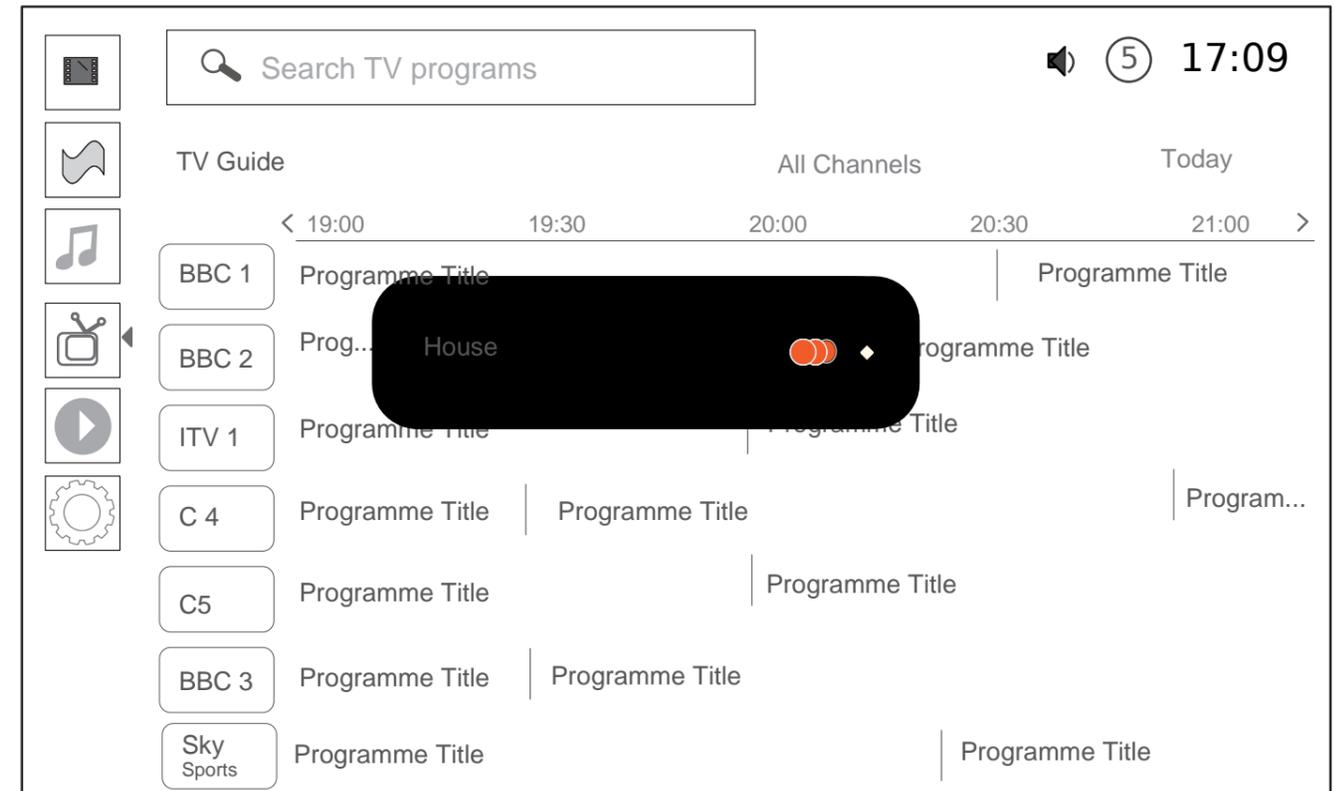
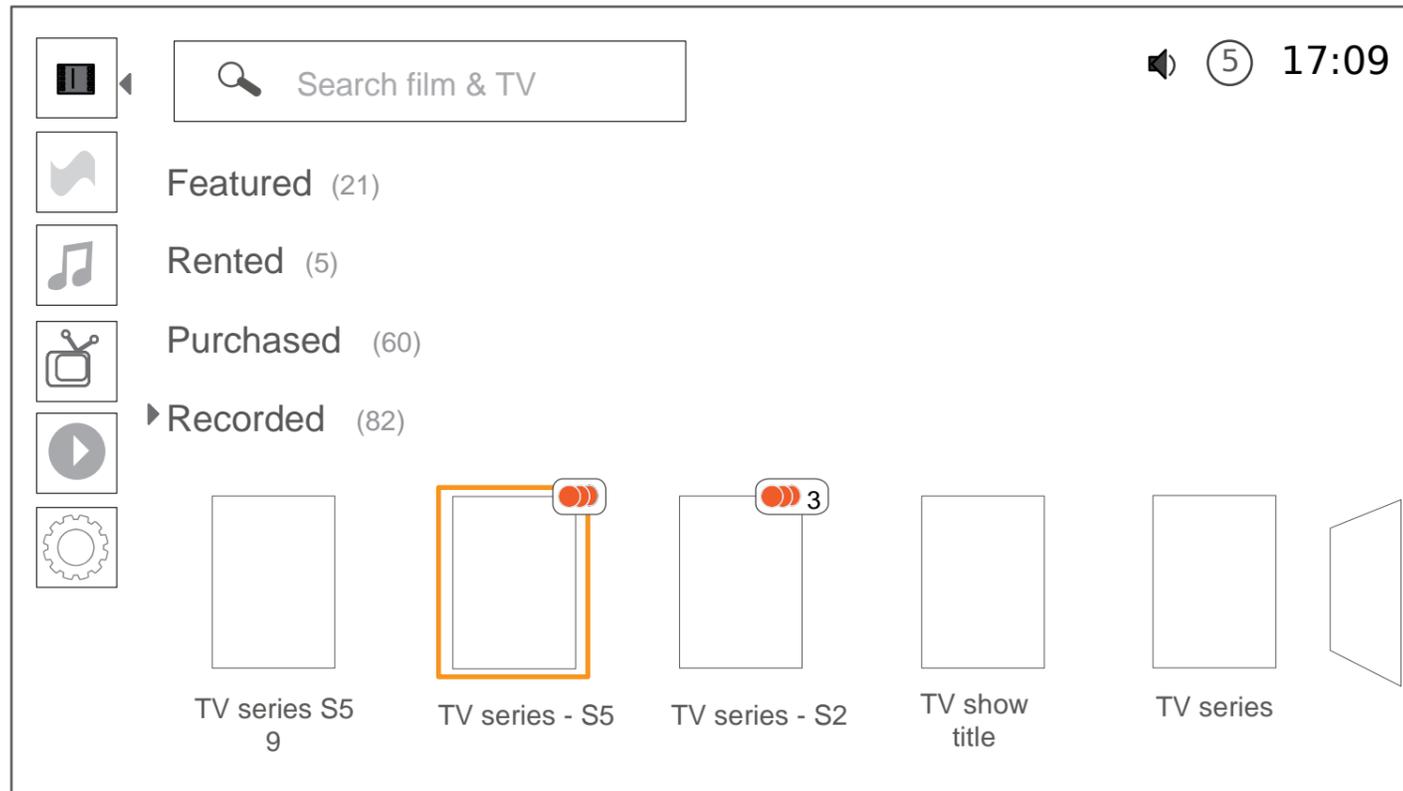
SELECT



-  Scheduled to record the entire series
-  Scheduled to record a single episode/ TV program
-  Available recording (only shown in TV Guide for programs that have already been recorded with no recording status)



Returning to Video Lens - the item is in focus and now has recording status. Returning to the Guide (if preview was selected from the Guide)

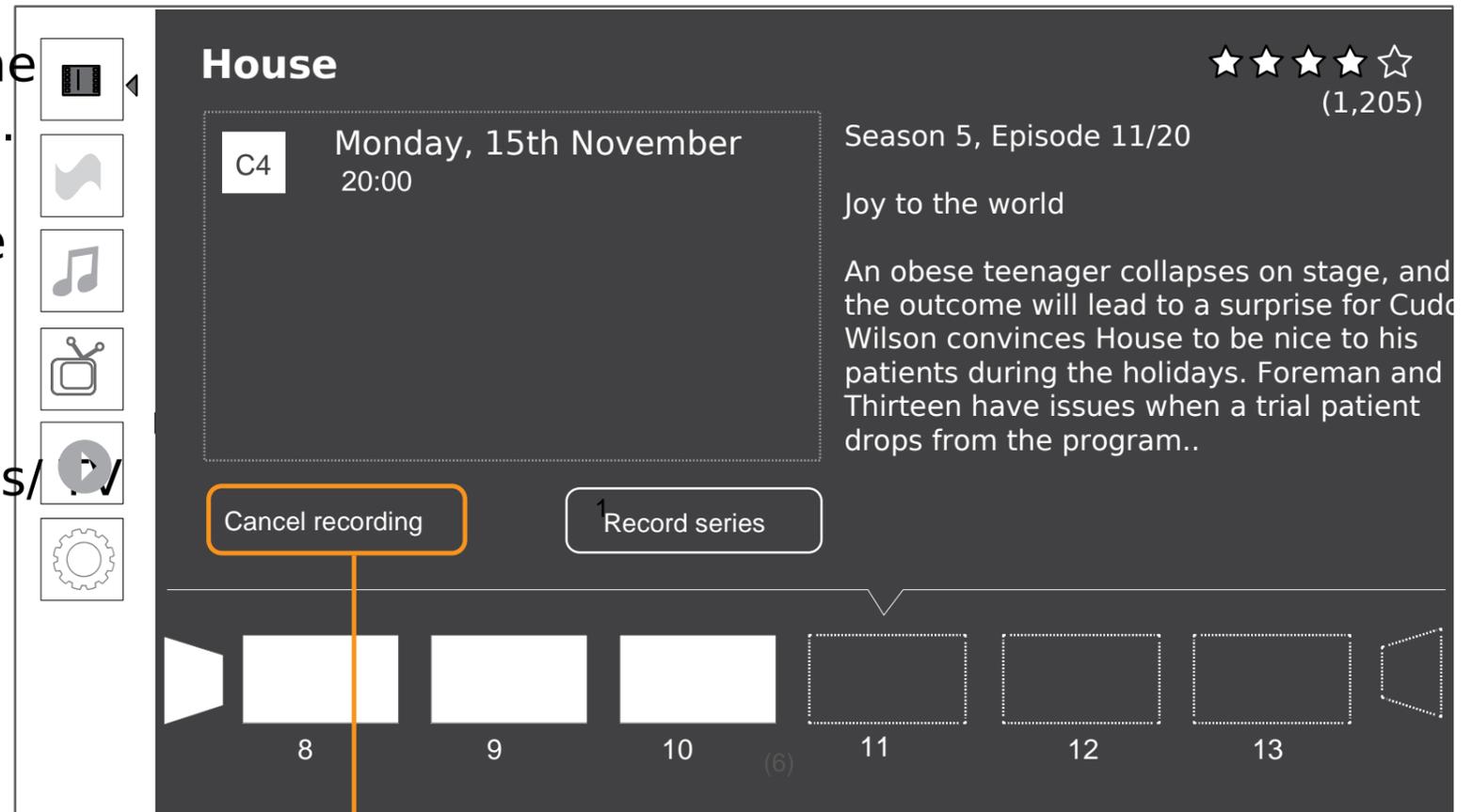


Preview: cancelling a single recording

If the user has set to record a single episode, the 'record' button reads 'cancel recording' instead.

If they choose to cancel this recording, they are asked to confirm their choice.

The recording status indicator will update as needed to reflect their choice in the Video Lens/program Guide.



Confirmation before returning to the screen where the recording was selected from

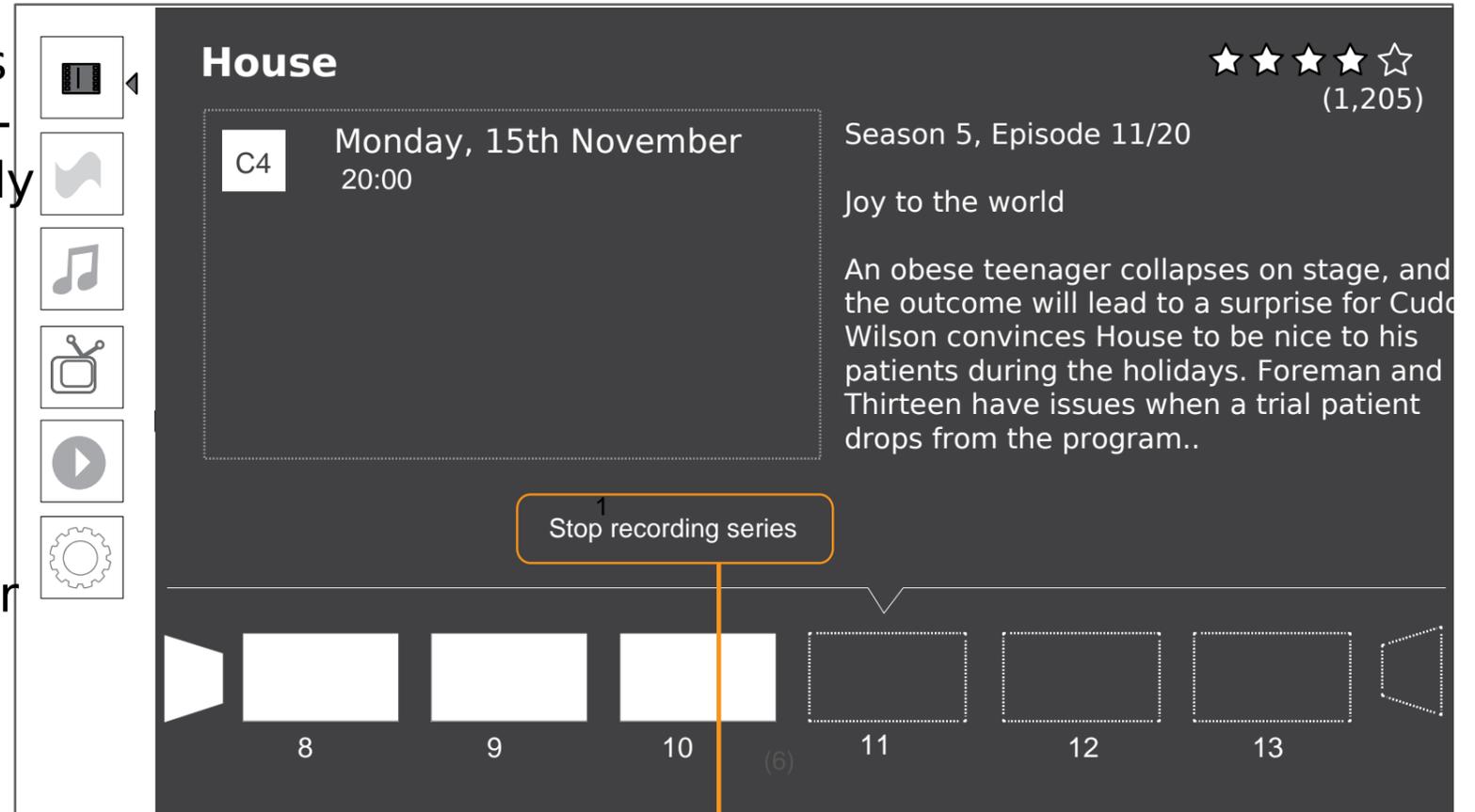


Preview: cancelling the recording of an entire season

If the user has set to record an entire series this is reflected in the preview screen of the series - when looking at future episodes, as the user only sees the 'stop recording series' option.

They are asked to confirm their choice when cancelling a series recording.

If they choose to stop recording the series, this will be reflected in the recording status indicator of this series in the Video Lens/ TV Program Guide.



Cancelling the recording of a TV series

