

# Republishing to Youtube

- [Preparing to the test](#)
- [Preparing to broadcasting to Youtube](#)
- [Running a broadcast from a web camera to the WCS server](#)
- [Stream republishing configuration](#)
- [Checking if Youtube receives the stream](#)

## Preparing to the test

1. For the test we use:

- the demo server at [demo.flashphoner.com](http://demo.flashphoner.com);
- the [Two Way Streaming](#) web app to publish streams;
- the Chrome browser and the [REST-client](#) to send REST queries.

## Preparing to broadcasting to Youtube

2. Create a broadcast on Youtube (we assume you have activated the corresponding section in your Youtube account and successfully verified and approved the account). Copy the URL of the server and the stream key from the "Encoder settings" section:

The screenshot displays the YouTube Live Stream setup interface. The top navigation bar includes 'BASIC INFO' (selected), 'STREAM OPTIONS', and 'CARDS'. The 'BASIC INFO' section contains a title field with 'Test', a description field with 'Live stream test', a checkbox for 'Schedule next stream', a 'Category' dropdown menu set to 'Howto & Style', and a 'Privacy' dropdown menu set to 'Unlisted'. An 'Advanced settings' link is visible at the bottom right of this section. The 'ENCODER SETUP' section is below, featuring a 'Server URL' field with 'rtmp://a.rtmp.youtube.com/live2' and a 'Stream name/key' field with a masked key and a 'Reveal' button.

**BASIC INFO**    STREAM OPTIONS    CARDS

Test

Live stream test

☐ Schedule next stream

**Category**

Howto & Style

**Privacy**

Unlisted

Advanced settings

**ENCODER SETUP**

Server URL

rtmp://a.rtmp.youtube.com/live2

Stream name/key

.....

Reveal

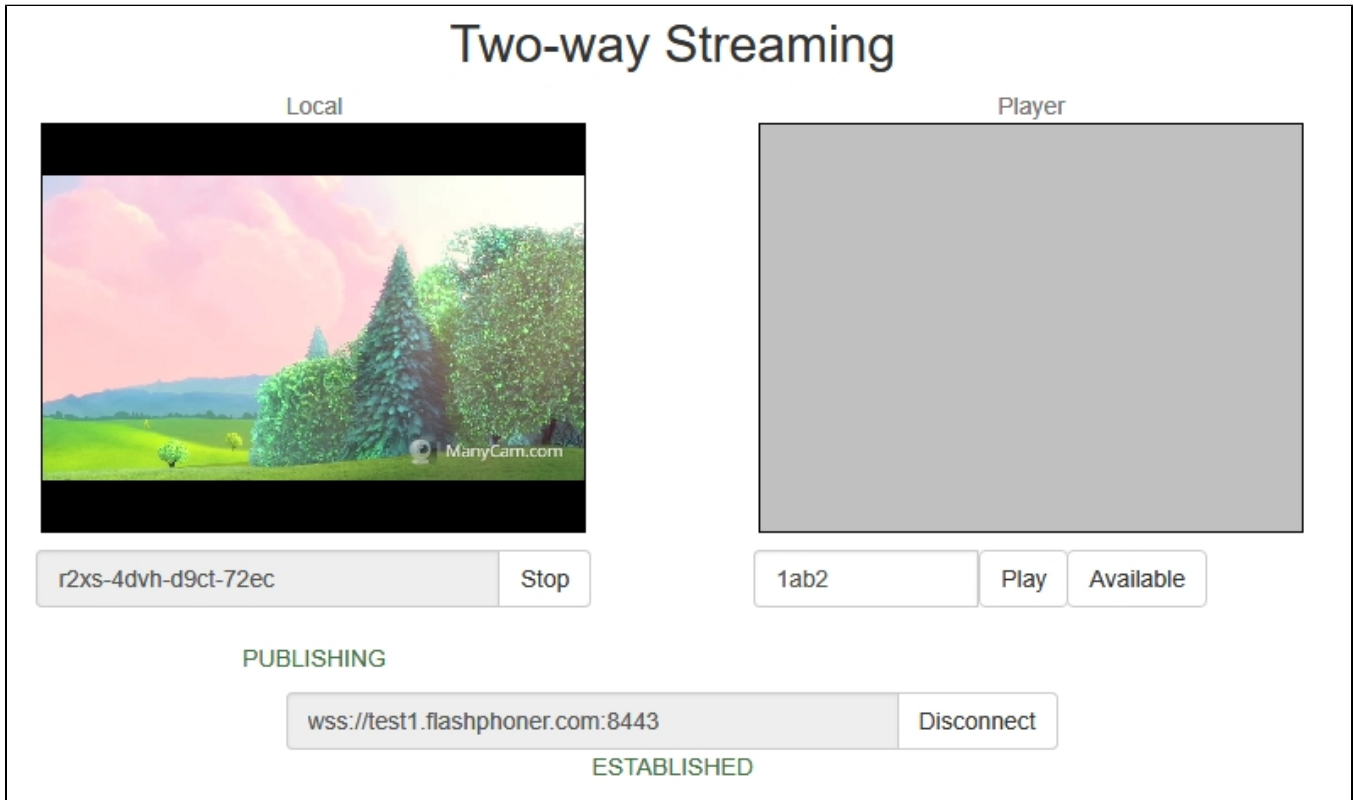
3. Add the following lines to WCS settings file [flashphoner.properties](#):

```
rtmp_transponder_stream_name_prefix=  
rtmp_flash_ver_subscriber=LNx 76.219.189.0
```

Restart WCS.

## Running a broadcast from a web camera to the WCS server

4. Open the Two Way Streaming web application. Click the Connect button, then specify the stream key from Youtube under the "Local" window, then click Publish:



## Stream republishing configuration

5. Open the [REST client](#). Send the /push/startup query to the WCS server and in the query parameters specify the stream key in the "streamName" parameter and the Youtube server URL in "rtmpUrl":

Method

Request URL

POST

http://test1.flashphoner.com:9091/rest-api/push/startup

SEND

Parameters ^

Headers

Body

Variables

Body content type

Editor view

application/json

Raw input

FORMAT JSON

MINIFY JSON

```

{
  "streamName": "r2xs-4dvh-d9ct-72ec",
  "rtmpUrl": "rtmp://a.rtmp.youtube.com/live2"
}

```

200 OK

160.80 ms

DETAILS v

<>

||

```

{
  "mediaSessionId": "mh6fe1a80ejkdrp46njttvui",
  "streamName": "r2xs-4dvh-d9ct-72ec",
  "rtmpUrl": "rtmp://a.rtmp.youtube.com/live2",
  "width": 320,
  "height": 240,
  "muted": false,
  "soundEnabled": false,
  "options": {}
}

```

## Checking if Youtube receives the stream

6. On the broadcast settings page click "Advanced". On the advanced settings page, in the right corner click "View on Watch page" button:

Info and Settings

Cards

Live Dashboard

View on Watch Page

Test

Cancel

Save changes

7. The watch page opens:



YouTube<sup>RU</sup>

Search



Test

Unlisted