# Parrot

Parrot is used for building models for recognising custom sounds. It has seemless intergration with Talon, allow for the sounds recognised by the model to drive python code.

## File layout

All the code and data for Parrot lives in `\Knausj\_talon\plugin\parrot`

Within this folder:

`model.pkl` is the current model we want talon to use. Replace it acordingly with newly trained models.

`\parrot\_py\data\models` holds the trained models

`\parrot\_py\.venv` holds the Python virtual environment with all needed dependencies.

## Training the model

To train a model, activate the Python virtual environment and then run Parrot settings:

cd plugin/parrot/parrot\_py

cd parrot\_py

source .venv/Scripts/activate

py settings.py

## Training the model

To train the model, follow the steps above: ie:

```

cd plugin/parrot/parrot\_py

source .venv/Scripts/activate

py settings.py

```

Select [L] for learning then navigate the options:

- Y to current audio settings

- Updated model name with current date

- A for Neural net required by talon

- 5 nets

- add y to the end of each sound to indicate you want to train it