```python
def receiver():
    hamming_data = read_channel()
    nr = calculate_redundant_bits(len(hamming_data))
    error_pos = detect_error(hamming_data, nr)

    if error_pos == 0:
        print("No error detected.")
        correct_data = hamming_data
    else:
        print(f"Error detected at position: {error_pos}")
        correct_data = correct_error(list(hamming_data), error_pos)

    data_without_redundant_bits = remove_redundant_bits(correct_data, nr)
    ascii_text = binary_to_text(data_without_redundant_bits)

    print(f"Received text: {ascii_text}")

# Example usage
sender()
receiver()
```

```
Data sent and saved to Channel.txt: [1, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 0, 1, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1,
0, 0, 1, 1, 1, 0, 1, 0, 0, 1]
No error detected.
```