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RESOLUÇÃO (DIAGRAMA DE CLASSES):

`public class eletro`

```
public static void main(String[] args) {  
    ControleRemoto c = new ControleRemoto();  
    c.ligar();  
    c.maisVolume();  
    c.play();  
    c.abrirMenu();  
}
```

`public class ControleRemoto extends Controlador`

```
// atributos  
private int volume;  
private boolean ligado;  
private boolean tocando;  
// metodos especiais  
public ControleRemoto()  
// get and sets  
@Override  
// Override de toda interface Controlador
```

`public interface Controlador`

```
public abstract void ligar();  
public abstract void desligar();  
public abstract void abrirMenu();  
public abstract void fecharMenu();  
public abstract void maisVolume();  
public abstract void menosVolume();  
public abstract void ligarMudo();  
public abstract void desligarMudo();  
public abstract void play();  
public abstract void pause();
```