

Nautiz X21 scanner SDK

This document outlines how you can start/stop the scanner and receive the scanned data in your own code.

Trigger barcode scanner

You can trigger (start and stop) the barcode scanner from code by sending a broadcast.

Start scan

```
Intent intent = new Intent();
intent.setAction("unitech.scanservice.software_scankey");
intent.putExtra("scan", true);
sendBroadcast(intent);
```

Stop scan

```
Intent intent = new Intent();
intent.setAction("unitech.scanservice.software_scankey");
intent.putExtra("scan", false);
sendBroadcast(intent);
```

Receive scan data

Scan data can be received via broadcast.

NOTE: For the broadcast to be sent, you first need to disable "Scan to key" in Settings > Advanced features > Scanner settings > Menu > App Settings.

Receive barcode text

```
private BroadcastReceiver barcodeReceiver = new BroadcastReceiver() {
    @Override
    public void onReceive(Context context, Intent intent) {
        Log.d(TAG, "Received intent: " + intent.getAction());
        if(intent.getAction().equals("unitech.scanservice.data")) {
            Log.d(TAG, "Received data in intent: " + intent.getStringExtra("text"));
        }
    }
};
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    // ...
    IntentFilter intentFilter = new IntentFilter();
    intentFilter.addAction("unitech.scanservice.data");
    registerReceiver(barcodeReceiver, intentFilter);
}
```

The intent action ("unitech.scanservice.data") and intent extra ("text") can be changed in Settings > Advanced features > Scanner settings > Menu > App Settings > Intent Output.

Receive raw barcode bytes

```
private BroadcastReceiver barcodeReceiver = new BroadcastReceiver() {
    @Override
    public void onReceive(Context context, Intent intent) {
        Log.d(LOG_TAG, "Received intent: " + intent.getAction());
        if(intent.getAction().equals("unitech.scanservice.databyte")) {
            byte [] rawData = intent.getByteArrayExtra("text");
            StringBuilder strRawDats = new StringBuilder();
            for(byte rawData: rawData) {
                strRawDats.append('[');
                strRawDats.append(String.valueOf(rawData));
                strRawDats.append(']');
            }
            Log.d(LOG_TAG, "Received raw data in intent: " + strRawDats.toString());
        }
    }
};

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    // ...
    IntentFilter intentFilter = new IntentFilter();
    intentFilter.addAction("unitech.scanservice.databyte");
    registerReceiver(barcodeReceiver , intentFilter);
}
```