Guide B: Mojec UIU (Model UIU-RF)

Made in Nigeria by the Mojec Meter Asset Management Company. Talks to the meter by radio (RF).

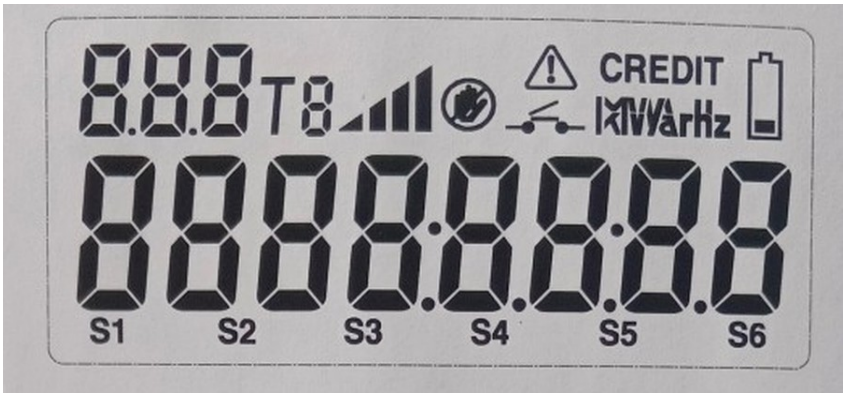
B1. Know Your UIU



The Mojec UIU (UIU-RF)

The UIU has an LCD screen, three indicator lights (Communication, Alarm and Balance) and a keypad with the digits 0 to 9, a back/delete key and a red Enter key. It has a top cover, a base, a battery base and a power cable socket. A short list of quick codes is printed on a sticker on the front: total consumption, credit balance, SGC and activate emergency.

B2. Description: Screen Symbols and Lights



The full LCD screen with every symbol lit

Symbol	What it tells you
Battery	Showing: the UIU battery is low. Gone: the battery is fine.
Relay (switch icon)	Shows whether the supply switch in your meter is on or off.
Alarm (triangle with !)	Showing: the meter has an internal fault. Gone: no fault.
Tamper (hand icon)	Showing: interference with the meter has been detected. Gone: none detected.
S1	The meter cover has been opened.
S2	The terminal cover has been opened.
CREDIT	Prepaid (credit) mode is active.
Small digits (888)	Shows the short code you typed.
Large digits	Shows the actual figure: voltage, current, energy or credit.
kWh, V, A, W, Hz	The unit that goes with the number on screen.
L1, L2, L3	Shows which supply lines have voltage.
T8 and signal bars	Reserved. You can ignore them.

Lights

- Credit (Balance) light green: you have enough credit.
- Credit light red: credit is low. Plan to recharge.
- Credit light red and flashing: warning. Recharge now.
- Alarm light on or flashing: the meter has detected a problem. Contact your provider if it stays on.

B3. Short Codes

Type the code (3 digits), then press Enter. The answer appears on the screen.

Everyday codes for customers

Code	What it shows
009	Credit balance (your balance)
004	Total energy used
032	Total energy purchased
035	Total money charged so far
202	Amount of your last recharge
100	Your meter number
050	Power you are using right now
070 / 071	Current date / current time
075	Current (amps)
078	Voltage
074	Number of times power went off
008	Meter state: 10 = postpaid, 21 = prepaid kWh, 22 = prepaid currency
048	Activate emergency mode (borrow credit when stuck)
045	Cancel the sound alarm

Codes mainly for the electricity provider

005 (key revision number), 006 (tariff index), 007 (maximum power threshold), 030 (SGC number), 040 (overdraft energy threshold), 042 (UIU software version), 044 (switch on after overload), 046 (activate commission mode), 072 (relay operation reason), 073 (meter mode: 0 user, 1 factory) and 101 (meter version).

> *The Mojec short-code list in our source manual continues past the codes shown here. Your electricity provider can give you the full list.*

B4. Token Recharge Process Flow

Pairing your UIU with your meter (first-time setup)

1. Install the UIU, connect the power cable and switch on.
2. On the keypad, type your meter number, then press the Enter key.
3. When SUCCESS shows on the screen, pairing is complete.

The UIU only works with the meter number it is paired to.

Step by step

1. Buy your 20-digit token from your vendor or payment platform.
2. Type all 20 digits carefully on the UIU keypad.
3. Press the red Enter key.
4. The screen shows Conn - - while the UIU sends the token to the meter.
5. ACCEPT means the recharge worked. Press 009 then Enter to confirm your new balance.

If the screen shows an error

Screen shows	Meaning	What to do
Err 01	Bad token	You probably mistyped. Enter it again carefully.
Err 03	Token expired	Contact your vendor for a new token.
Err 04	Token already used	This token was entered before. Check 202 to see your last recharge.
Err 05	Expired key	Contact your vendor or provider.
Err 06	Token error	Check the digits and try again, or contact your vendor.
Err 07	Recharge exceeds the limit	The amount is too high for the meter. Contact your provider.

Tracking your own consumption

- Press 004 to see total energy used. Write it down at the same time each day.
- The difference between two readings is what you used in between.
- Press 009 often to know how much credit you have left.

> *Metering Corner is an educational guide. For faults, disputes or tampering concerns, always contact your electricity provider. Visit jiderich.com for more.*