

External interfaces:

Keypad	<ul style="list-style-type: none"> Two keypad connectors, one on the back of unit and one on the underside
Port 1	<ul style="list-style-type: none"> FCC68 8-way connector to printer or PC. RS232 interface baud rates up to 38,400
Port 2	<ul style="list-style-type: none"> FCC68 8-way connector to 3C plate
Port 3	<ul style="list-style-type: none"> Ethernet Adaptor FCC68 cat 5 8-way connector to network OR USB (1.1)-B connector to PC

User Interface:

Display	<ul style="list-style-type: none"> Full graphic LCD 60mm x 42mm (2.4" x 1.7"), 128 x 64 pixel resolution with user adjustable contrast
Front panel	<ul style="list-style-type: none"> 9 soft touch buttons

Environmental conditions:

Storage temperature range	<ul style="list-style-type: none"> - 20°C to + 60°C (-4°F to +140°F)
Operating temperature range	<ul style="list-style-type: none"> +5°C to +40°C (+40°F to +104°F)
Humidity range	<ul style="list-style-type: none"> 0% to 95% RH non-condensing

Tellermate**EC Declaration Of Conformity****This is to certify that:**

The Tellermate money counter models

TY-B100, TY-B200, TY-R100, TY-R150, TY-R200, TY-R300, TY-R330, TY-R350

Manufactured by Tellermate Group plc, Melrose Hall, St. Mellons, Cardiff, conform to the Low voltage directive 73/23/EEC, and the Electromagnetic Compatibility Directive 89/336/EEC as modified by 92/31/EEC by application of the following standards:

BS EN 60950-1:2002 Low voltage standard

EN5022: 1998 Generic emission standard part 1: Residential, commercial and light industrial.

EN55024: 1998 Generic immunity standard part 1: Residential, commercial and light industrial

Signed for Tellermate Plc



N. Burroughs Development Director

Approvals



TY User Guide

For all TY1 Models

Contents

Introduction	2
Guidelines	
What you get	3
Getting started	4
Connecting your equipment	
Money wraps	
TY front panel	
Starting	
User menu	8
AutoAdd	
AutoScroll	
Options	
Counting notes	11
Loose / banded notes	
Clipped notes	
Sleeved notes	
Coupons	
Counting coins	13
Full bags / full rolls	
Bags / rolls	
Scoop	
Calibrating wraps	15
Using the keypad	16
Non-cash items	
Keying in a denomination	
Calculator	
Connectivity and peripherals	17
FAQ	18
Technical specification	19

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Introduction

This user guide is for all TY retail models: 100 - 350 and for all TY banking models: 100 and 200.

Tellermate TY is the leading cash management solution for your business enabling you to quickly and efficiently count your cash in the many formats that you use. Stand-alone or connected directly to business reporting systems, the TY increases the efficiency, security and accuracy of a wide range of cash management tasks.

The TY counts notes and coins such as those contained in a typical cash drawer. The TY incorporates a clear user display and menu-driven control buttons. TY comes with optional connections to printer and PC systems.

This document provides instructions on getting started with your TY as well as more detailed reference on configuring the system to suit your preferences. Please be aware that since there is a range of TY models, not all features illustrated in this document may be present in the model that you are using.

Tasks

Your TY software may come with Pre-programmed tasks to help you process your money.

1. To select a task press the blue key.
2. To accept the task press the green enter key.

(Please note that not all models will have Pre-programmed tasks and that task names are country specific. Task will differ depending on whether your model is for retail or banking).

Guidelines

1. Set the Tellermate TY on a flat stable surface that is free from vibration and drafts (such as air conditioning).
2. Use only the power adaptor supplied at the specified supply voltage. Do not use any other power adaptor.
3. Do not use a damaged or wet power adaptor.
4. Do not connect the power adaptor with wet hands.
5. Do not place this product on an unstable cart, stand or table. The product may fall causing damage to the product or injury to the user.
6. Do not subject the equipment to a strong impact or shock load by hitting or dropping it. Ensure that money is placed onto the equipment with reasonable care. Treat it with respect.
7. Do not install or use the equipment in a manner that will apply force to the cables.
8. Do not spill any liquid or spray any chemicals over the equipment. If any liquid is spilled on it, disconnect the power cable from the supply and contact your dealer.
9. Do not leave any objects on the TY or plate when not in use.
10. Do not disassemble. There are no user-serviceable parts inside.

Technical Specification

Load capability:

TY	- maximum load	● 1.5kg	(3lbs 5oz)
	- counting resolution	● 1 banknote / 1 coin	
	- internal resolution	● 0.04kg	(0,001oz)

Dimensions:

TY	● Depth	282mm	(11.1")
	● Width	152mm	(6.0")
	● Height	150mm	(6.0) (incl. hod)
Keypad	● Depth	126mm	(5.0")
	● Width	90mm	(3.5")
	● Height	24mm	(1.0)

Weight:

TY	● 1.3kg	(2lbs 14oz)
Keypad & support	● 0.13kg	(4.6oz)
Battery	● 0.20kg	(7.0oz)

Power supply:

Power adapter to TY	● Input to suit country of use
	● Output 13.5v AC 350mA
Power connection	● 2.5mm reverse jack on the rear panel of the TY
Power indication	● A bi-colour LED on the lower front face illuminates GREEN when the unit is on and the battery, if fitted, is charged; RED when the battery is charging
Removable, rechargeable NiMH Battery	● Duration of battery in normal use with TY -typically 8hrs.
	● Charging time 14hrs

Why is my TY displaying values when there is no money present?

1. The TY is in a draft. Relocate the system.
2. There is something resting on the TY. Ensure that the TY is kept clear.

During a count, why won't the TY keep a running total?

The AutoAdd function is turned off. To turn the AutoAdd function on, press the MENU button and highlight AutoAdd. Press the MENU button so AutoAdd has a ✓ next to it instead of an X. Press the END button to exit this screen and return to your count.

Why won't the TY automatically advance to the next denomination?

The AutoScroll function is turned off. To turn the AutoScroll function on, press the MENU button and highlight AutoScroll. Press the MENU button so AutoScroll has a check mark next to it instead of an "X". Press the END button to exit and return to your count.

What is the WRAP key?

The WRAP key selects the way in which the money is packaged. For example, scoop or bag for coins, band or clip for notes.

How do I change my wrap type?

By pressing the WRAP key the software will scroll through the available options. (For more information on wrap types see pages 5 & 6)

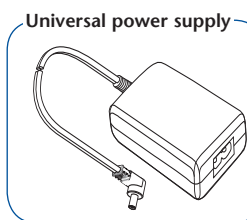
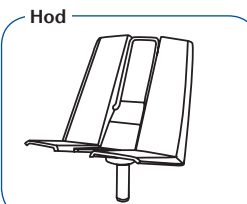
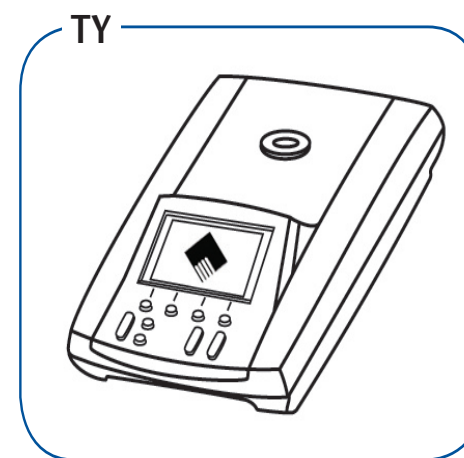
Why is my TY miscounting coins?

Please check that the cup or scoop has not been left on the TY in between uses.

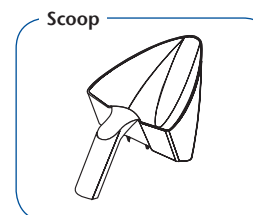
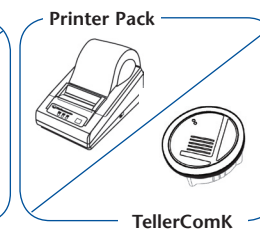
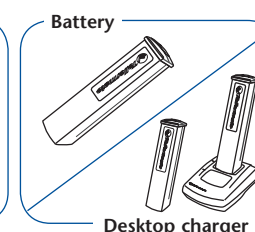
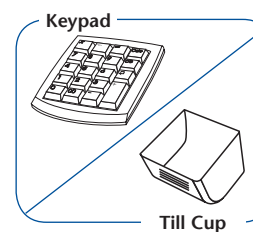
Why is my TY not powering up?

Please ensure that the power supply is plugged in and that the power supply light on the right hand side of the TY unit comes on green or red.

Standard items



Optional extras



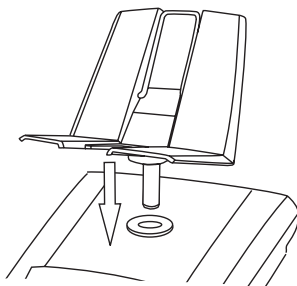
(If you require any information about the optional items please contact your nearest dealer)

Getting started

Connecting your equipment

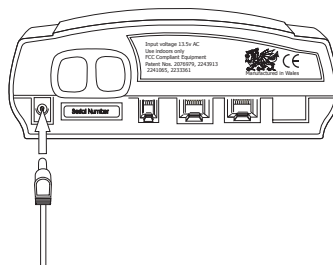
HOD

Insert the hod firmly into the TY until you feel a light resistance.



POWER SUPPLY

Insert one end of the TY power supply into the back of the TellerMate and the other end into a mains plug socket.



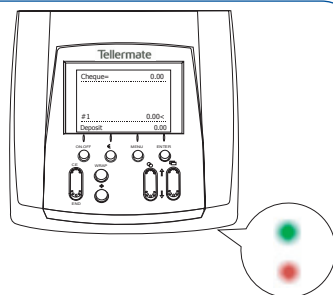
LEDs



The TY is on and the battery, if fitted, is charged.



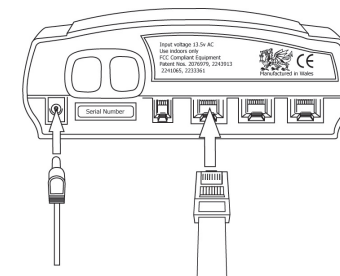
The TY is on and the battery is charging.



Connectivity and Peripherals

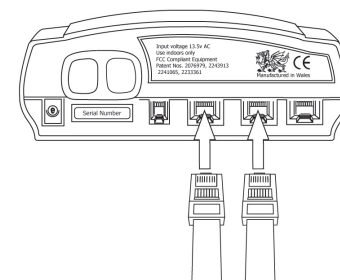
Connecting to a PC/TellerComK *optional*

Insert one end of the communication cable into the back of the TY in Port One and the other into the PC.



Connecting to a printer *optional*

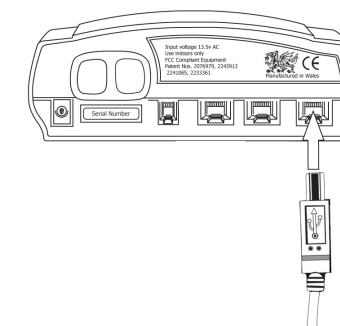
Insert the printer cable into the middle port.
*Note: Location of printer port may differ depending on model.



Insert the other end of the printer cable into the printer. Plug in the power supply to the printer. Then turn the printer on using the switch located on the side of the printer.

Connecting to USB or Ethernet *optional*

Insert one end of the USB/Ethernet cable into the back of the TY in Port 3 and the other into the PC or network.





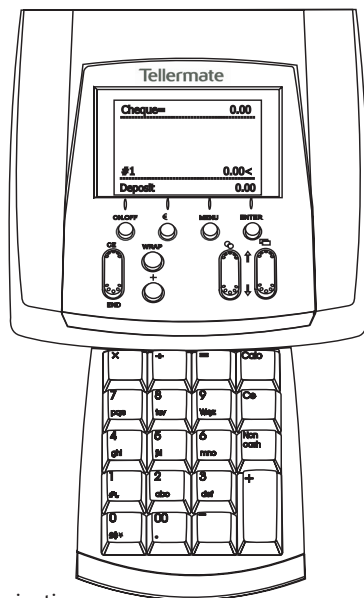
*Note: Port 3 can only be one of the above options.

Using the keypad

The optional keypad allows you to enter reference numbers and non-cash items such as cheques and credit card values. It can also be used to directly enter the amount of any denomination, rather than counting on the TY system, and as a calculator.

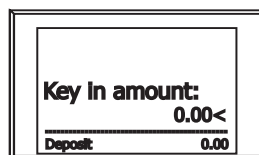
Keying in non-cash items

- When in count mode press the Non-cash key.
- If you have more than one Non-cash item, press the Non-cash key to scroll through the items.
- Key in the amount of the Non-cash value by pressing the appropriate keys on the keypad, and press the + key to accept the amount.
- If you make a mistake whilst entering non-cash items press the CE key to clear the last entry and start again.
- To exit from Non-cash mode, press either the  or the  key.



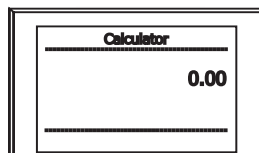
Keying in a denomination

- When in count mode select the denomination using the + and - keys on the keypad.
- Key in the amount of the denomination by pressing the appropriate keys on the keypad. Press the + key to accept the amount.
- If you make a mistake whilst entering a denomination, select the denomination and press the CE key to clear the entry and start again.



Calculator

- Press Calc on the keypad.
- Use the keypad as a normal desk top Calculator.
- If a printer is connected, you can also choose to print out your calculations.
- To exit out of Calculator mode, press the Calc key.

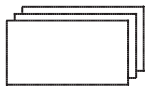




Money wraps

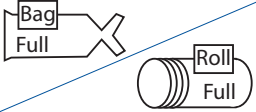
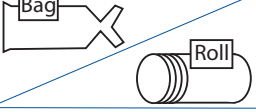
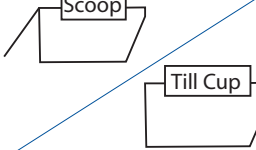
WRAP - this is a term used by Tellermate to describe the different ways in which money is packaged.

Notes

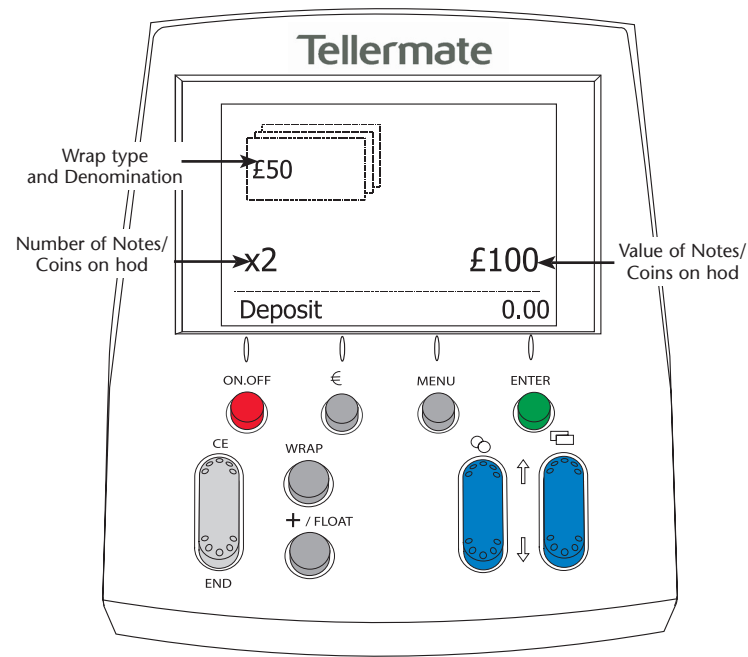
Wrap type options will differ according to TY model. Wrap types available for your model are shown using the Wrap key.

	Loose notes - for counting your loose notes and banded/strapped notes of the selected denomination. Loose notes are counted by placing 15-25 notes onto the hod at any one time. This stacking process is repeated until all the notes have been counted.
	Clipped notes - for counting notes of the selected denomination that are clipped together in a fixed quantity. A typical clip quantity is 10 notes.
	Sleeved notes - for counting notes of the selected denomination that are packaged in a sleeve in a fixed quantity. A typical sleeve quantity is 100 notes.

Coins

	Full bag/roll - for checking full standard bags/rolls of ANY denomination, on the TY.
	Bagged/rolled coins - for counting coins of the selected denomination that are in full or partly full bags/rolls, on the TY.
	Scoop of coins - for counting loose coin, of the selected denomination, on the TY. Cup of coins - for counting loose coin from a cash drawer, of the selected denomination, on the TY.

TY front panel



	Press to turn the TY ON, hold down to turn the TY OFF		Clear current denomination
	Switch between two currencies		End Count/Return to previous display
	Enter Menu to customise TY		Select Coins
	Enter data or accept highlighted option		
	Select container/wrap type		Select Notes/Scroll through menus
	Manual add (Banking models)		Float (Retail models)



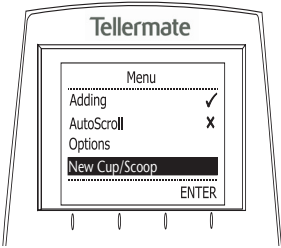
Your front panel may vary from the illustration above depending on TY model.

Calibrating wraps

It may become necessary to re-calibrate the weight of a wrap that is stored in the machine, such as when using a different cup or scoop.


Calibrating Wraps

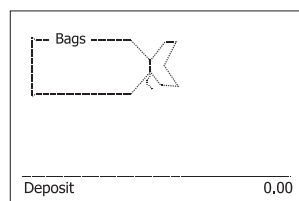
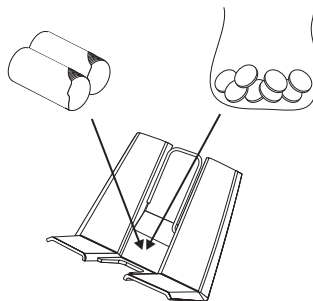
- Use the key to select a denomination.
- Press the WRAP key to select Cup mode or Scoop mode.
- Press the MENU key, and scroll down to Calibrate Cup or Scoop, and press the ENTER key.
- Follow on-screen instructions
- Once you have calibrated your wrap, then start counting as normal.



Counting Bags (or part full bags)


Bag mode allows you to count the contents of a bag (full / part full) of a pre-selected denomination.

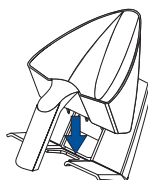
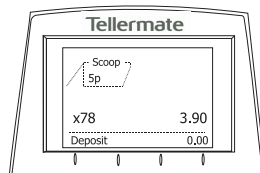
- Use the  key to select the denomination.
- Press the WRAP key to select Bag mode.
- Put the bag on the hod and the TY will display the value of its contents.



Scoop

Scoop mode allows you to count loose coin. Each denomination has to be counted separately.

- Use the  key to select a denomination.
- Press the WRAP key to select scoop mode.
- Place the scoop on the hod.
- Place the loose coin into the scoop.



To make up full bags of coin, place the empty scoop on the hod and add coins until the required value is displayed.



Coin denominations must always be separated before counting.

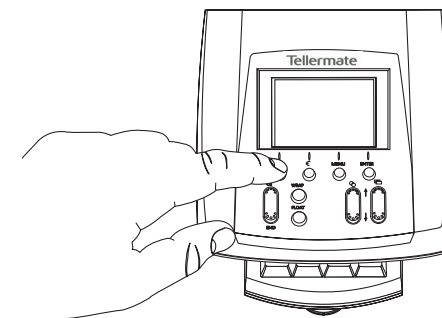


Do not count bags of coin in the scoop; count directly onto the hod.

Starting


Switching On

Press the red ON-OFF button.

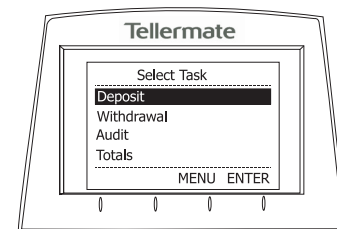


Tasks

Your TY software may come with pre-programmed tasks to help you process your money.

- To select a task press the blue  key.
- To accept the task press the green enter key.

(Please note that not all models will have the same Pre-programmed tasks and that task names are country specific).

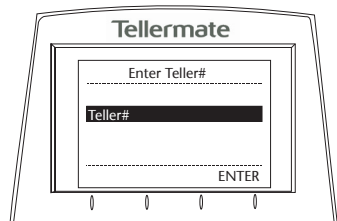


Reference Numbers

Your TY software may come with pre-programmed reference numbers.

- To enter your reference numbers use the keypad under the TY.
- Key in the number and accept it by pressing the + key.
- If you make a mistake press the CE key to clear the entry.

(Please note that not all models will have reference numbers and that reference numbers are country specific)



User menu


A number of features in the TY can be configured to suit your counting needs and preferences ranging from sound control, changing the time and date and enabling a printer.

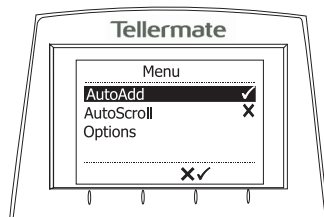
AutoAdd

This function automatically adds the value that has been placed on the hod into a running total. When you have placed your money on the hod the TY beeps. When you remove the money the TY will beep again and display +++ADDED+++. This confirms that the money has been added into the running total displayed at the bottom of the screen.



AutoScroll

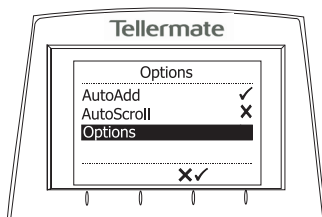
This function allows the TY to automatically move onto the next denomination. When you have placed your money on the hod the TY beeps. When you remove the money the TY will beep again and then move onto the next denomination.

To change either of these functions, press the MENU key, scroll up and down using the  key to highlight required option, then press the MENU button to turn the function ON (✓) or OFF (✗).



Options

To change any of these options when you are in a count mode, press the MENU key, scroll up and down using the  key to highlight Options, then press the ENTER key. You are now in the options menu. Scroll up and down using the  key to select the option you wish to change and press ENTER.



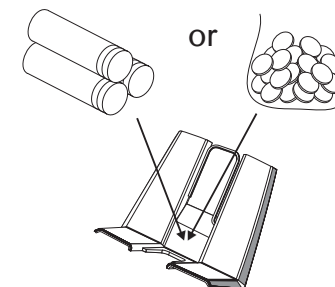
Counting Coins


Counting Full Bags / Rolls



Your TY will be setup to count either rolls or bags of money, but never both. The next three sections show how to count bags, but are also applicable to roll counting.

Full Bag allows you to check standard bags of coin without pre-selecting a denomination.

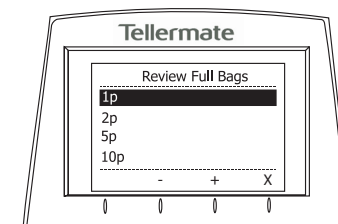





- Use the  key to select Full Bag.
- Put the full bag on the hod.
(TY automatically recognises the denomination)
- The display will say Add another. If you have more full bags place them on the hod one by one.
- The TY will hold about 3-4 full bags on the hod.
- If SUSPECT BAG is displayed, take the bag off the hod and count as a part full bag.

- Bag -	
FULL	
Add another	
1 Bag	5.00
Deposit	0.00


Review table

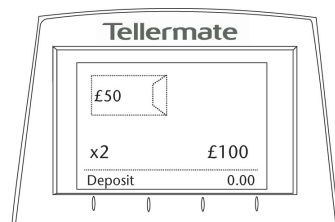
This mode allows you to manually add your full bags into the total, without checking them on the TY.



- Use the  key to select Full Bag.
- Press the ENTER key to access the review table.
- Select the denomination by using the  key.
- Enter the quantity of full bags you have for each denomination by using the MENU key to add a bag and the  key to subtract a bag.
- Press END to exit.


Counting sleeves

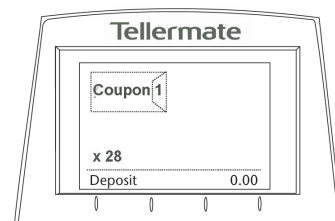
- A sleeve typically contains 100 notes.
- Use the  key to select the denomination.
- Press the WRAP key until you get Sleeve mode.
- Put the first sleeve on the hod. When the value is displayed, more sleeves may be added.
- REMOVE SLEEVE appears if the system is unsure about the accuracy of the sleeve.
- Remove the sleeve and count the notes loose.



Counting coupons

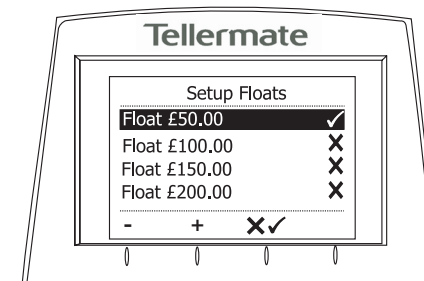
After notes, coupons and vouchers can be counted.

- Press the  key to select the coupon.
- Coupons and vouchers can be counted by stacking on the hod or keying in their value using the keypad.
- Stack the coupons in the same way as you would for loose notes.
- If the coupons have not been calibrated, put a few onto the hod and follow the on-screen instructions for calibration.
- For more detailed information on counting coupons, contact your TellerMate support.



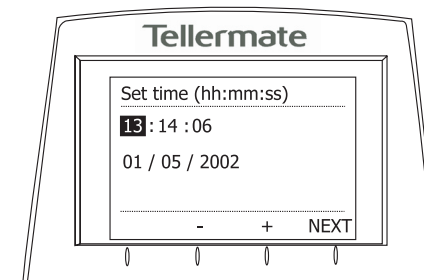
Setup floats (retail models only)

Float values can be changed using the ON.OFF (-) or (+) key and enabled or disabled using the MENU key.



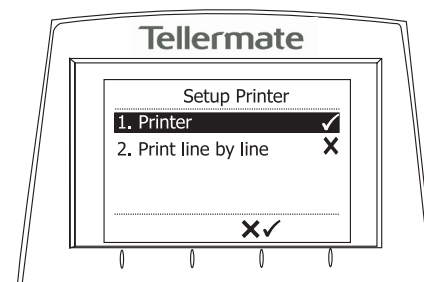
Set Date/Time (for print outs)

You can key-in the time and date using the keypad. Press the + key to accept the information and move on. Once you have completed entering the time and date, press END repeatedly to exit.





Printer

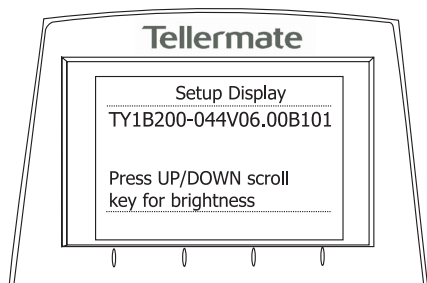
This function allows the printer to be enabled or disabled by pressing the MENU key. Line by line printing can also be enabled to print each transaction as it happens, rather than everything at the end of the count. Press END to exit.



Display

This allows you to adjust the screen brightness. Pressing down on the  key will darken the display and pressing the top of the  key will brighten the display.

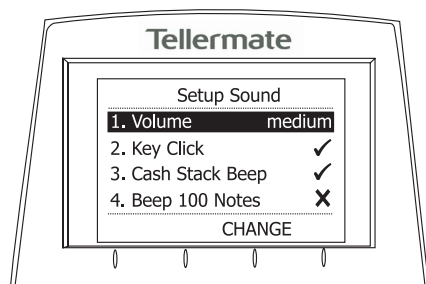
The software version of your TY is also displayed in this option. Press END to exit.



Sound

This option allows adjustment of the following features using the MENU key.


1. Volume
2. Key Click - the sound made when a key is pressed
3. Cash Stack Beep - occurs each time money is placed on the hod
4. Beep 100 Notes - occurs when you reach the bundle quantity for the denomination (to assist in bundle preparation)

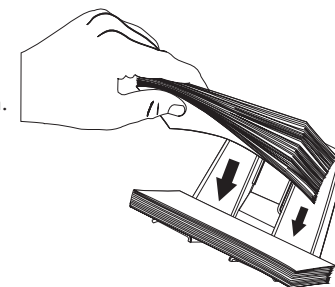


Counting notes

Counting loose/banded notes

Count one denomination at a time.


- Use the  key to select the denomination.
- Stack the notes against the short side of the hod.
- Stack in batches of 15-25 notes at a time. The TY beeps to confirm the money has been placed on the hod.
- LIFT ABOUT HALF appears if you have added too many notes at once. Remove half the notes from the hod. The TY will beep and the notes can be replaced.
- Banded notes of the same denomination can also be counted in this mode without removing the band. Simply place the banded notes onto the hod. The hod will hold up to 4-5 bundles.

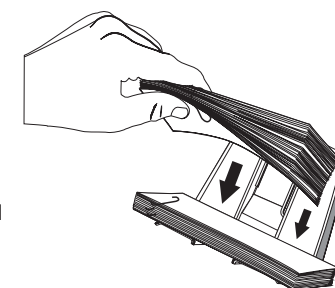


£5	
X20	£100
Deposit	0.00

- If SUSPECT BAND appears, remove the band and count loose as described above.

Counting clipped notes

- Use the  key to select the denomination.
- Press the WRAP key to select clip mode.
- Put the first clipped bundle on the hod. When the value is displayed, more clipped notes may be added.
- If REMOVE CLIP appears take all the notes off the hod, press the WRAP key to select loose count mode and count in batches of 15-25 (see above).



£5	
X30	£150
Deposit	0.00