Panther G

1/16 2.4GHz Panther Ausf. G

Proportional Throttle • Proportional Steering • Safety Firing Switch • Barrel Elevation • Turret Rotation • Smoke Unit • Sound System • Track Recoil • 2.4GHz Radio System • 2000mAh Battery with Charger • Steering Trim • Tow Hooks • Steel Gearboxes • Available in Airsoft or Infrared Models

INSTRUCTION MANUAL

- Engine, elevation, turret rotation, and firing sounds with adjustable volume
- Shoots while driving!
- Realistic smoke unit for exhaust simulation
- 2.4GHz Radio System

NOT A TOY! THIS MODEL IS NOT SUITABLE FOR CHILDREN UNDER THE AGE OF 14!
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## IMEX

### TAIGEN TANKS

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German Panther Ausf G Medium Tank

The Panther was a German medium tank deployed during World War II from mid-1943 to the end of the European war in 1945. It was intended as a counter to the Soviet T-34, and as a replacement for the Panzer III and Panzer IV. While never replacing the latter, it served alongside it and the heavier Tiger I until the end of the war. While the Panther is considered one of the best tanks of World War II due to its excellent firepower and protection, it was less impressive in terms of mobility, reliability, and cost.

Until 1944, it was designated as the Panzerkampfwagen V Panther and had the ordnance inventory designation of Sd.Kfz. 171. On 27 February 1944, Hitler ordered that the Roman numeral "V" be deleted from the designation. It is sometimes referred to as the "Mark V" in contemporary English language reports.

The Panther was a compromise. While having essentially the same engine as the Tiger I tank, it had better frontal hull armour, (sloping glacis was equivalent to 205–221 mm (8.1–8.7 in) of vertical steel plate) better gun penetration, was lighter and faster, and could traverse rough terrain better than the Tiger. The tradeoff was weaker side armour, which made it vulnerable to flanking fire. The Panther proved to be effective in open country and long range engagements, but providing less high explosive firepower against infantry.

All spare parts and the whole variety of our models are also available at our internet shop (www.taigentanks.com)
ATTENTION

Important supplement to manual of your RC model. Do read this supplement and the manual carefully and entirely before operating the model and the remote control.

IMPORTANT INFORMATION

Telecommunication Regulations:

When using a remote control device, please observe the current legislation of the country the device is being used in. If you have any questions, please contact our service department or your local dealer.

Declaration of Conformity

When using a remote control device, please observe current legislation of the country the device is being used in. This RC model conforms with all relevant US laws and all basic requirements and regulations of the R & TIE directive 1999/5/EU of the European Community.

This model includes a transmitter and receiver. If you have any questions regarding the conformity or if you wish to exercise your right of access, please contact our service department or contact your local dealer.

Notes for disposal of batteries and electronic parts:

Please deposit battery packs and all electronic parts (remote control, charger, rc model, etc.) according to local laws and regulations. Protect the environment!

Product Questions

Please call or email our service department if you have any questions or issues. Do not send in items before having contacted our service department and making arrangements.

IMEX Model Co.
15391 Flight Path Drive
Brooksville, Fl. 34604
Tel. (352) 754-8522

www.taigentanks.com
The manufacturer is not liable for injuries and accidents caused by improper use, alteration, or disassembly of the product. Such altered or disassembled products will not be repaired by the manufacturer.

- Never try to disassemble or alter the product to avoid malfunction or danger. Such products will not be repaired by the manufacturer.
- No repair services will be offered for products which have been altered or disassembled by the user in any way!
- Should the tank or the remote control get wet due to rain or immersion into water, stop operating the tank because this may cause malfunctions. Remove all batteries and consult with your local dealer.
- Do not expose the tank or the remote control to strong sunlight. This may cause deformation or malfunction.
- Keep this manual for further reference. If the manual is lost, contact your dealer.

**SAFETY NOTES AND DISCLAIMER OF WARRANTY**

Tank models are not toys for children. Only responsible and careful acting persons may use the model. Exact work, technical understanding, and a safety-oriented attitude are absolutely necessary when assembling and operating the tank. Each mistake during assembly or operation can result in severe damages or injuries. If you are unexperienced in using model vehicles, do let a person with experience show you how to operate such models.

**Never** operate the tank near people, animals, or on public roads in order to avoid accidents. Always make sure that there are no persons or animals or any obstacles close to the operating area. Check the model for damages before each use and make sure that only a model free from any damages or problems will be operated.

Do switch on the transmitter first and then the RC model. Check the operating distance in the terrain you are using the model in to get a feeling for the maximum operating distance. When switching off the devices, switch off the model first and then the transmitter.

You as the holder are liable for damages which occur as a result of operating a model vehicle. Taigen does not have any control over the handling, the compliance with assembly and operation notes as well as the actual operation of the model and its maintenance. Therefore, Taigen is not liable for any damages, losses, or costs of any kind. Taigen repudiates liability for each and every compensation claim, which results from operating or using the tank or its components or which relates to such operating or using. We are not liable for any injury to persons, material damages, and the consequences therefrom, which result from our delivery.
This RC battle tank is not a toy but a tank model controlled by radio signals. It’s integrated airsoft gun is very powerful and accelerates the plastic BB bullets to high velocities with a shooting distance of up to 25 meters or 80 feet. Please use carefully to avoid injuries and damages.

Please read through the following caution notes!

This tank features an integrated airsoft gun. Use carefully to avoid injuries through accidental shooting or misuse!

- Wear goggles!
  - During shooting all persons in the immediate vicinity should wear goggles. Bullets may ricochet off walls and other hard surfaces!

- Shut down all systems after use,
  - After use set main switch to "OFF", then set shooting switch to "OFF".
  - Insert protective cap into gun muzzle.
  - Remove BB bullets by turning tank upside down so that bullets may drop out of the tank.
  - Remove batteries to avoid discharge or leakage.

- Do not shoot at people or animals!
  - Do not aim or shoot at people or at animals. You might be subject to criminal punishment.

- Never look into the gun muzzle!
  - To protect your eyes, never try to look into the gun muzzle, whether there is a bullet inside or not. Please also note that accidental shooting may be triggered by a poor radio signal!

- Do not use tank near or on public roads!
  - Do not use tank at or on public roads to avoid traffic accidents. Also, do not play in water pits, on sand, or on carpets in order to avoid malfunctions.

- Never shoot in public places or areas!
  - Do not shoot in areas or places with people or cars passing by. This might cause accidents or injuries.

- Avoid swallowing of small parts by infants and small children!
  - Keep small parts and packing material out of reach of infants and small children in order to avoid accidental swallowing of such parts or material.

- Keep antenna away from faces!
  - The end of the antenna may lead to eye injuries. Do not bring antenna too close to faces. The sharp end of a broken antenna may cause serious eye injuries. Refer to your local dealer for a new antenna.

- FOR R-VERSION, ONLY: Do not use infrared battle system in strong sunlight!
  - Strong sunlight may affect the infrared controlled battle functions of the tank and cause malfunctions. It is recommended not to use the IR battle functions under such conditions.

The manufacturer is not liable for injuries and accidents caused by improper use, alteration, or disassembly of the product. Such altered or disassembled products will not be repaired by the manufacturer.

- Do not point gun at fragile or other easily breakable objects such as glass, lamps, electric appliances, tableware, or furniture.
- Bullets other than the specified BB bullets may easily cause blockage. Do not put any improper bullets or other objects into the bullet container or the gun muzzle.
- Never try to disassemble or alter the product to avoid malfunction or danger. Such products will not be repaired by the manufacturer.
- Should the tank or the remote control get wet due to rain or immersion into water, stop operating the tank because this may cause malfunctions. Remove all batteries and consult with your local dealer.
- Do not expose the tank or the remote control to strong sunlight. This may cause deformation or malfunction.
- Keep this manual for further reference. If the manual is lost, contact your dealer.
INSTRUCTION MANUAL

⚠️ Warning Notes
Not following the warning notes may cause injuries and malfunctions. Please follow all warning notes!

⚠️ Use tank indoors only, outdoor use at your own risk!
This tank is a high-precision product and should be used with care. Avoid shocks and dust, sand, or stones entering the body or the wheels and tracks.
This also applies for the remote controller. Manufacturer is not liable for damages or malfunctions because of warning notes not being followed.
PLEASE, DO FOLLOW ALL WARNING AND SAFETY NOTES IN THIS MANUAL!

Not part of product contents.
(Batteries remote controller)
- 6X AA Batteries

⚠️ Warning Note Batteries
Crack
Be careful when using tools!
- Do not use damaged batteries to avoid short circuit!
(With airsoft gun version only)

⚠️ Do wear safety goggles during shooting!

SET PARTS
⚠️ Make sure the tank functions correctly before installing the accessories.

REMOTE CONTROL
2.4 GHz
Smoke Fluid

ACCESSORY BOX

MANUAL
Panther G
English

(Shoot)
ON
OFF

Gun Muzzle
Gun Barrel
Turret
Upper Hull
Sprocket wheel
Idler wheel
Road wheel
Caterpillar Tacks

Smoke unit
On/Off Switch
Main Power Switch

7.2V 2000mAh
Rechargeable 7.2V NiNHi Battery

7.2V 400mA Charger

Airsoft version only includes:
BB bullet
Target
Protective cap

(Make sure the cap is always set on the muzzle except when shooting.)

Decals

435 435 00 112
+ 421 421 00 112
+ 121 121 23345
+ 121 121 23345
The tank will drive for around 15-25 minutes, depending on driving manner.

- Make sure voltage and plug of charger correspond to local standards.
- Battery pack will become warm when charged excessively. In this case the charging has to be stopped or the battery might sustain damage.
- Do not leave charging unattended.
- Battery pack and charger are matched for safety reasons. Do not use other devices. This might cause explosions!
- Depending on how long the tank is operated, battery pack may become very hot. Allow battery to cool down for at least 30 minutes before charging it in order to prevent damage.
- Do not throw battery pack into open fire: explosion hazard!

**CHARGING OF BATTERY PACK**

To charge the battery pack, follow steps 1 - 5.

1. Connect battery pack to charger.
2. Plug charger into power outlet.
3. The charging is finished after approximately 3-4 hours.
4. Disconnect charger from power source and disconnect battery from charger.
5. Connect battery to tank (see page 10).

**Ni-MH-BATTERY**

- Nickel-Metal Hydride batteries do not contain toxic heavy metals (unlike Nickel-Cadmium (Ni-Cd battery))
- Very powerful, durable, and reliable
- No "memory effect": no loss of capacitance due to incomplete charging

![Diagram of battery pack charging process]

The tank will drive for around 15-25 minutes, depending on driving manner.
INSERTING BATTERIES (TANK + REMOTE CONTROL)

SWITCHES + ADJUSTMENTS
Switches and adjustments for
- On/Off
- Smoke Function
- Volume Sound
are on the bottom of the tank

Adjusting sound

Main power switch

Smoking switch

1. On the bottom of the tank, slide the switch over to release the upper hull from the lower hull.

2. Gently pull up from the rear and guide the upper hull out using the slots in the front of the tank.

3. Disconnect any wires and set the upper hull aside.

*Make note of where the wires were before removal. A wiring diagram can also be found at the end of the manual.

BATTERY (TANK)

INSERTING BATTERIES (CONTROLLER)

1. Set power switch to OFF position
2. Press down on PUSH-imprint of battery case cover and slide open cover.
3. Insert batteries into battery case and observe correct polarity.
4. Slide cover back onto remote control and let it snap into lock.

Warning
Not inserting batteries with the correct polarity may cause battery leakage or device malfunction.

Warning
Do not let hands or fingers touch the ends of batteries. Do not use different types of batteries together. This may result in battery leakage and/or burn injuries.
This tank features proportional drive speeds. This means the tank will respond in proportion to the amount of throttle applied.
START-UP DEVICES, VARIOUS FUNCTIONS AND SETTINGS

1. Turn the remote control on first, then turn the tank on by turning the tank upside down and flipping the main power switch to "ON." Next use the left toggle switch to start the tank by flipping it towards yourself. The tank will start up and the headlights will go solid indicating the tank is ready to drive. After around 30-60 seconds the tank will start emitting exhaust smoke. You can control the function of the smoke unit by flipping the red switch on the bottom of the tank to the "ON" or "Off" position.

2. While the tank is running, you can use the right toggle switch to toggle machine gun sounds. To fire the main cannon use the left joystick and press up. The tank will either fire an airsoft bullet or fire an infrared shot with flash. The tank will make a firing sound and the whole tank will recoil. The infrared version will also have the added bonus of barrel recoil as well. The user may adjust the sounds with the volume knob in the above photo.

LEFT/RIGHT TRIM

Special Notes on trim: The left/right trim is used when the tank moves left or right with the right control stick being in neutral position. This can be counteracted by converse trim action. If tank moves left, turn knob indicated has to be turned right vice versa.

HOW TO PERFORM A SUPER SPIN

What is “Super Spin”? Both tracks run in the opposite direction enabling the tank to turn around itself.

Left Super Spin

Move the right stick to the far left

Right Super Spin

Move the right stick to the far right
Warning
If the signals sent from the remote control are interfered with by other radio signals or if they are too weak this may lead to malfunctions including the accidental firing of BB-bullets. Should this occur, immediately set all functions (including the fire function) of the tank to zero.

Caution
The maximum shooting range of the gun is 25 m. This may vary according to actual shooting conditions, such as the vertical angle of the gun and wind speed.

CONTROLLING TURRET + GUN

Turret Left Turn
Push the left stick to the far left

Turret Right Turn
Push the left stick to the far right

The safety clutch is activated when the turret reaches its maximum turn to the left or right.

Gun Up/Down
Press the left control stick down for continuous gun barrel elevation

If the control stick is kept pushed down, the gun will continue to move up and down without interruption.

Firing BB-Bullets (NOT VALID FOR INFRARED VERSION)

Caution
To prepare for shooting, load in BB bullets as shown on p. 14, turn on the shooting switch and remove protective cap.

Shooting with the protective cap on the gun muzzle may cause damage to the firing mechanism.

Caution
The cannon will not fire if the safety switch is on. You can find this switch inside the top hatch of the turret.

Press the left control stick up to fire

Keeping the control stick pushed up results in continuous fire.

Tip:
Operations can be combined to simulate actual tank moves. The following are examples of some types:
- Tank Forward + Turret Rotation
- Turret Rotation + Gun Elevation
- Shooting While Driving
- Superspin + Turret Rotation

Note
Combining functions consumes more battery power than using single functions separately.
HOW TO LOAD BB BULLETS (NOT FOR INFRARED VERSION)

Open the bullet hatch and put in about 40 BB bullets.

Flip hatch open

Close the bullet hatch.

Use of the following bad bullets may lead to internal damages.

× BB of a diameter over 6mm
× Eccentric BB
× BB of uneven surface

Set the shooting switch to ON.

The shooting switch (safety device) is normally kept OFF. Only for shooting can it be set ON.

HOP UP-SYSTEM

Ballistic curve with hop-up system

Ballistic curve without hop-up system

The RC tank is equipped with a hop-up system which induces a backspin of the bullet resulting in an upward motion, thus leading to a greater flying distance.

TARGET SET UP

Enjoy shooting even more by using the target provided.

Aim and shoot down the target by controlling the tank.

Place the target on the desk.

Tip:
Aim at the bullet's eye from the back of the tank before shooting. Lock onto target and fire.

Firmly insert target into indentations of stand supports.
At the factory a small amount of smoke oil is left in the smoke unit chamber. You will have to add **2-3 DROPS** of smoke fluid when using the smoke function for the first time. These **2-3 DROPS** will last for around 2 hours of operation. When you notice a singed smell, this indicates the smoke oil is running low. Add smoke fluid to avoid malfunction of the smoke unit. Add **2-3 DROPS** only, more may damage your smoke unit. (Replacement part TAG120613)

To add smoke fluid first open the top hull. Then remove the black rubber cap on the smoke unit and add a few drops of fluid. Be careful not to overfill the unit or it can malfunction or spill! After filling, replace black rubber cap onto smoke unit and attach upper hull.
Caution

These parts must be installed manually. If the hole is too loose try adding a filler or extra glue. If the hole is too small then bore out the hole or accessory a tiny bit.
How to apply transfer decals

1. Cut a section around the decal to be placed

2. Press the decal on the tank and press decal firmly against the tank. Make sure to rub the edges of the decal.

3. After 15 minutes you may pull off the transparent plastic that protects the decal off. Do it slowly.
MAINTENANCE AND CARE

CAUTION

If drive sprockets or idler wheels make a grinding noise, they have to be carefully greased with a lubricant. This will enhance the service life of the tank.

WARRANTY EXCLUSION

There is an exclusion of warranty for damages caused for any of the following reasons.

1. Accidentally letting the tank drop or exposing it to strong shocks which leads to the tank or remote control being damaged.

2. Tank or remote control are exposed to a wet environment leading to malfunctions.

3. The tank is driven in a place with too much sand, mud, dirt, or on an uneven surface, which leads to malfunctions or damage.

4. Tank is driven on carpets, lawns, or other surfaces which cause excessive resistance leading to damages.

5. Objects other than the specified BB bullets are being used leading to jamming.

Airsoft versions only

6. Dirty or used BB bullets are used leading to damages.

7. Other malfunctions caused by noncompliance with warning or caution notices listed in this manual.

8. Malfunctions due to misuse (wrong battery polarity, wet conditions, shocks).

9. Malfunctions due to improper assembly, alteration, or use of improper parts.

10. Malfunctions caused during transport, by dropping tank or remote control, or because of poor storing conditions.

11. Malfunctions caused by use of improper batteries. Chassis or motor damages caused by driving on surfaces which create excessive resistance.

12. Other malfunctions or damages not covered by our quality guarantee.

No repair services will be offered for products, which have been altered or disassembled by the user in any way!

TAIGEN SPARE PARTS AND SUPPLEMENTARY EQUIPMENT

TAIGEN offers an excellent spare part service. Please contact your local dealer for spare parts inquiries.

TAIGEN TANKS

WARNING!

CHOKING HAZARD - SMALL PARTS! KEEP AWAY FROM INFANTS, SMALL CHILDREN AND CHILDREN.
- 2.4GHz Radio system with proportional throttle
- Hand painted
- Smoke unit
- Recoil (Airsoft will have track recoil, Infrared will have track and barrel)
- Realistic sounds for the engine, turret rotation, barrel elevation, machine gun, cannon, and hit indicators for IR battles.
- Adjustable volume
- Metal lower chassis
- Metal caterpillar tracks
- Metal drive wheels
- Metal torsion bar suspension
- Metal road wheels
- LED Headlight
- 360 degree turret rotation
- Gun elevation
- Metal turret
- Metal mantlet
- Metal barrel
- Metal hatches
- Available in airsoft or infrared versions
- Steel 4:1 gearboxes (High/Low motor mount)
- Easy access latch to remove upper hull in one motion
- 7.2V NiMH 2000mAh battery and charger included for RC Tank
- Tank decals and accessories included
FUNCTIONS REMOTE CONTROL

- **Antenna**
- **Engine start-up and stop**
- **Shooting Function BB-bullets [*]**
- **Shooting Function + right turn turret**
- **Shooting Function + left turn turret**
- **Left turn turret**
- **Gun up/down + Left turn turret**
- **Gun up/down + Right turn turret**
- **Right turn turret**
- **Reverse + Turn left**
- **Reverse + Fast reverse**
- **Reverse + Turn right**
- **Right spin**
- **Left spin**
- **Forward + right turn**
- **Forward + left turn**
- **Trim for straight ahead driving**
- **Machine Gun**
- **Rear Tail Lights (may be retrofitted by customer)**

[*] WITH INFRARED FUNCTION: RETRACTING GUN BARREL + SIMULATED MUZZLE FLASH INSTEAD OF BB-BULLET FIRE.

Code binding has been performed at the factory already for you. If needed you may re-bind using this sequence:
1. Press machine gun toggle switch towards yourself.
2. Turn on transmitter and then the tank shortly afterwards.
3. Press the right toggle switch (machine gun) away from you. 4. Use the left toggle switch (ignition) to start your tank.

After having performed steps 1 and 2 the power LED indicator will flash for approximately 6 seconds. When the light goes solid the binding is finished. Press the machine gun toggle back away from you before starting the tank. Remote Control: When the battery level is low, the power indicator will start to flash, this is indication that you must replace the batteries.

Machine Gun toggle: When toggle is set to front (towards you) the machine gun sound is activated. When set to rear (away from you) the machine gun sound is deactivated.

Ignition toggle: When toggle is set to front (towards you) the tank will start. When toggle is set to rear (away from you) the tank will go into a standby mode and blink headlights.

PIN SLOT CONFIGURATION

PRINTED CIRCUIT BOARD

- **Infrared port**
  5 Wire Turret Cable
- **Aircraft receiv port**
  2 or 5 Wire Turret Cable
- **Volume control**
  3 Wire Potentiometer
- **Main power input**
  2 Wire Main Power Cable
- **Passenger Side (Right) Gearbox**
- **Driver Side (Left) Gearbox**
- **Upper hull connector**
  8 Wires To Upper Hull
- **Smoke unit on/off switch**
  2 Wire Cable to Smoke Unit Switch
- **Smoke unit output**
  2 Wire Cable to Smoke Unit
- **Rear Tail Lights**: Not included on this model. Customers can retrofit model if wanted.