



QCORE
L A S E R T A G
— S Y S T E M S —

Introducing.....

INFINITY



System Overview

INFINITY from QCore, so much more than just high quality laser tag hardware



The INFINITY Laser Tag system has one of the most extensive features sets on the entire market, with many features not found anywhere else on a system priced at this level.

INFINITY has been built from the ground up with two people in mind; the player and the site owner.

The system is easy for the site owner to run and maintain, whilst being simple to play, with many advanced features to keep the interest of returning players.

SYSTEM FEATURES

Injection-moulded, ultra-tough phaser	✓
Lightweight, ultra-tough, material vest	✓
Full colour 2.8" TFT phaser display	✓
Two large "any colour" LED side panels on phaser	✓
Two function buttons on phaser	✓
8 teams in your choice of team colours	✓
Informative and supportive speech	✓
Speakers in shoulders and phaser	✓
Speech and text in any language	✓
10 base game types with advanced options	✓
Multiple shot-types	✓
REAL different shot strengths, ranges and sound effects	✓
5 fully configurable LED hit locations on vest	✓
Polycarbonate vest covers	✓
Ultrafast Wi-Fi communication	✓
Live scoring and pack control	✓
Built-in player safety features	✓
Built-in health, error and damage detection	✓
Advanced online membership system*	✓
Player profiles, competition and league control*	✓

*Available 2018

The Phaser

Produced with high quality, injection moulded plastics, the INFINITY phaser can function standing alone or with a vest. It features a proximity-checking two-hand sensor, a full-colour TFT display to provide visual feedback to players, REAL configurable shot strengths and weapon options that actually play differently.

The INFINITY phaser has two large lighting panels on either side, with 16 independently controlled LEDs that can display any colour. This, coupled with the built-in speaker and other features, allows the INFINITY phaser to produce effects that will WOW your customers and give them a game to remember.

PHASER FEATURES

Full colour 2.8" TFT Display	✓
RFID membership logon built in	✓
Configurable trembler	✓
Wi-Fi communication	✓
Built-in speaker for independent audio	✓
16 "any colour" individually controllable RGB LEDs	✓
Multiple lighting patterns	✓
2 x function buttons (weapon/feature select)	✓
Proximity Sensor (two-hand enforcement)	✓
Audio and images via SD card	✓
Phaser health and error detection	✓





The Vest

Durable and comfortable, the INFINITY vest is made from ultra-tough fabric that will stand up to the wear and tear of laser tag.

VEST FEATURES

Ultra-tough, material vest	✓
24 "any colour" individually controllable RGB LEDs	✓
Multiple lighting patterns	✓
5 independent hit zones, 2 front, 2 shoulder and 1 back	✓
Dual speaker system in shoulders	✓
Trembler on each hit zone	✓
Audio via SD card	✓
Vest health and error detection	✓

The vest features 5 independent hit areas, each with their own trembler and lighting patterns, meaning players know where they have hit or have been hit.

Shoulder mounted speakers deliver sound effects and speech straight to the player so they know exactly what is happening in a game.



NETWORK DEVICE FEATURES

One device, multiple functions:	✓
Base; Recharge point; Power-up point; Target	✓
Special effects; Flag; Territory	✓
15 "any colour" individually controllable RGB LEDs	✓
4 DC outputs	✓
Wi-Fi communication	✓
Expansion capability	✓
Health and error detection	✓
High power audio output	✓
DMX Control - Lighting, Smoke machines*	✓
Up to 4 external RGB LED Lighting add-ons*	✓
2 x external infrared ports	✓

*Available 2018

Not just any arena component, the INFINITY Network Device can be the central hub of a laser tag game.

These multi-function devices can be configured in a number of different setups. They can be flag stations in a Capture the Flag game, Bases to score points from, Territories to capture, Recharge Stations to renew lives, or Power-up points to gain extra features.

Simple to configure and save in pre-set games types, network units add a whole new element to laser tag games.

Up to 32 network units can be supported in a single game, with the low cost allowing for the installation of many units to supplement the laser tag experience.

They can even be used to control external devices such as lighting and smoke machines.

INFINITY Network Device





The Games

What is a laser tag system without great games?!? INFINITY comes with 10 base game types just to get you started. Each game then has a multitude of settings, power-up and weapon options to tailor the experience just the way you want it.



Classic Tag

Your standard team vs. team game with many options to choose from.



Juggernaut

One player is the Juggernaut which can transfer to other players. Use this mode to implement a huge range of games where one player in the game has special stats!



Tug of War

A twist on classic domination game modes, in this mode, only one territory is contested at a time. Capturing a territory pushes the other team back, neutralising one of their territories to be the next to be captured!



Capture the Flag

Capture your opponent's flag and bring it back to your base to gain points. Configure options such as different stats for flag holders and even multiple flags (one for each team)!



Multiple Capture the flag

Same as the original capture the flag however you can capture multiple flags (one for each team!)



VIP

Assign VIPs to certain players. VIPs have differing player stats to regular players and you can score bonus points for tagging these or use VIP Elimination mode to stop the other team recharging once they lose their VIP.



Eliminator

Players only have a limited number of re-charges before they are eliminated from the round! A game where being tagged means more than just losing points!



King of the Hill

One territory is the hill, which moves periodically. Score points by holding this territory while it is active!



Domination

Score points by holding the majority of territories within an arena, with configurable capture speeds!



Zombies

Braaaaaainssss.....

A survival game! Survivors must band together to avoid being infected! Configurable options include enabling survivor teams and stats for alpha zombies with differing stats to regular zombies!

The Software

Configurable Weapons and Power-ups

Each game can have any of 10 different weapons with real and different shot strengths and effects. Weapons range from the short, wide burst of a blaster to the long, targeted shot of a sniper gun.

There are even advanced weapon modes like System Hack which renders your target unable to fire back, Recharger which restores your allies' health and shields, and Nanovirus which infects your target, stopping their shields and health from recharging.

Power-ups are awarded by tagging Power-up points, targets or hit-streaks and give the player features such as Stealth Mode, which disables the user's vest and phaser LEDs, Spy Mode where a player's LEDs change to the colour of their opponents', through to Invulnerability and Extra Ammo.

Membership System – Launches 2018

A membership system built to promote social play. Players log on direct to the Phaser with their RFID card at any INFINITY site and can then view their stats and game history online. Players can gain achievements and performance-based awards and share this information over social media.

Through the web portal players can even create and manage teams and team vs. team games, organise and participate in competitions and leagues and interact with other players .

Site owners are also able to manage their location and create and promote competitions and leagues over social media.

Control System

Simple and powerful the INFINITY control system enables the site owner to manage all aspects of their games. Accessible through a web-browser, the site can create game templates of their favourite settings, view vest and phaser physical health statistics, control active games and report on game history. A built-in Score Board system displays live updates on any large screen display.



About us

QCore was founded in 2014 by Sam Godfrey and Philip Hill to create a brand new, cutting-edge commercial laser tag system. Calling upon our 20 plus years' experience in the industry, we created INFINITY, providing high-end functionality at an affordable price-point.

We pride ourselves on our honesty and guarantee that we will always provide our customers with true advice on all aspects of the laser tag industry.

Between us we have pretty much performed every role in the industry, with 25 years' experience owning and managing sites to 10 years as directors of another laser tag manufacturer. QCore may be a relatively new company, but we are certainly not new to the industry and can help and advise you on any aspects you may need, when opening and running a laser tag site.



TAG!

We're IT!



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Established in 2014, QCore Laser Tag Systems is a provider and manufacturer of cutting-edge commercial laser tag systems and solutions.

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— SYSTEMS —